



SENNHEISER

evolutionwireless **G3**

100-P Series

Instruction manual
Istruzioni per l'uso
Gebruiksaanwijzing
Руководство по эксплуатации

Bedienungsanleitung
Notice d'emploi
Instrucciones de uso
Manual de instruções
用法説明

Tastensymbole / Button icons / Ícônes de touches / Simboli dei tasti / Símbolos de las teclas / Toetssymbolen / Símbolos dos botões / Символы кнопок / 按键图标

EK 100

SK 100



ON/OFF 	Taste ON/OFF / ON/OFF button / Touche ON/OFF / Tasto ON/OFF / Tecla ON/OFF / Toets ON/OFF / Botão ON/OFF / Кнопка ON/OFF / 开关键 ON/OFF
ON/OFF 	ON/OFF drücken / Press the ON/OFF button / Appuyer sur la touche ON/OFF / Premere ON/OFF / Pulsar ON/OFF / ON/OFF indrukken / Premir ON/OFF / Нажать ON/OFF / 按 ON/OFF 键
SET 	Taste SET / SET button / Touche SET / Tasto SET / Tecla SET / Toets SET / Botão SET / Кнопка SET / 设置键 SET
SET 	SET drücken / Press the SET button / Appuyer sur la touche SET / Premere SET / Pulsar SET / SET indrukken / Premir SET / Нажать SET / 按 SET 键
	Wipptaste / Rocker button / Touche à bascule / Selettore / Tecla basculante / Kanteltoets / Botão basculante / Перекидная кнопка / 上下键
	Wipptaste drücken / Press the rocker button / Appuyer sur la touche à bascule / Premere il selettore / Pulsar tecla basculante / De kanteltoets indrukken / Premir botão basculante / Нажать перекидную кнопку / 按上下键

SKM 100 G3



ON/OFF 	Taste ON/OFF / ON/OFF button / Touche ON/OFF / Tasto ON/OFF / Tecla ON/OFF / Toets ON/OFF / Botão ON/OFF / Кнопка ON/OFF / ON/OFF 键
ON/OFF 	ON/OFF drücken / Press the ON/OFF button / Appuyer sur la touche ON/OFF / Premere ON/OFF / Pulsar ON/OFF / ON/OFF indrukken / Premir ON/OFF / Кнопка ON/OFF / 按 ON/OFF 键
	Multifunktionsschalter / Multi-function switch / Commutateur multifonctions / Interruttore multifunzione / Interruptor multifunción / Multifunctionele schakelaar / Interruptor multifunções / Многофункциональный переключатель / 多功能开关
	Multifunktionsschalter drücken / Press the multi-function switch / Appuyer sur le commutateur multifonctions / Premere l'interruttore multifunzione / Pulsar interruptor multifunción / De multifunctionele schakelaar indrukken / Premir o interruptor multifunções / Нажать многофункциональный переключатель / 按多功能开关
	Multifunktionsschalter nach oben/unten bewegen / Move the multi-function switch upwards/downwards / Déplacez le commutateur multifonctions vers le haut/bas / Spostare l'interruttore multifunzione verso l'alto/verso il basso / Mover hacia arriba/abajo el interruptor multifunción / De multifunctionele schakelaar naar boven/onderen bewegen / Mover o interruptor multifunções para cima/baixo / Переместить многофункциональный переключатель вверх/вниз / 向上 / 向下拨动多功能开关
	Multifunktionsschalter nach oben/unten bewegen, dann drücken / Move the multi-function switch upwards/downwards, then press it / Déplacez le commutateur multifonctions vers le haut/bas, puis appuyez sur le commutateur / Spostare l'interruttore multifunzione verso l'alto/verso il basso, quindi premere / Mover hacia arriba/abajo el interruptor multifunción y pulsar entonces / De multifunctionele schakelaar naar boven/onderen bewegen, daarna indrukken / Mover o interruptor multifunções para cima/baixo, depois premir / Переместить многофункциональный переключатель вверх/вниз, затем нажать / 向上 / 向下拨动, 然后按下多功能开关

Tastensymbole / Button icons / Icônes de touches / Simboli dei tasti /
 Símbolos de las teclas / Toetssymbolen / Símbolos dos botões /
 Символы кнопок / 按键图标

SKP 100 G3



	Taste ON/OFF / ON/OFF button / Touche ON/OFF / Tasto ON/OFF / Tecla ON/OFF / Toets ON/OFF / Botão ON/OFF / Кнопка ON/OFF / 开关键 ON/OFF
	ON/OFF drücken / Press the ON/OFF button / Appuyer sur la touche ON/OFF / Premere il tasto di ON/OFF / Pulsar ON/OFF / ON/OFF indrukken / Premir ON/OFF / Нажать ON/OFF / 按 ON/OFF 键
	Taste SET / SET button / Touche SET / Tasto SET / Tecla SET / Toets SET / Botão SET / Кнопка SET / 开关键 SET
	SET drücken / Press the SET button / Appuyer sur la touche SET / Premere il tasto di SET / Pulsar SET / SET indrukken / Premir SET / Нажать SET / 按 SET 键
	Taste UP / UP button / Touche UP / Tasto UP / Tecla UP / Toets UP / Botão UP / Кнопка UP / 向上键
	UP drücken / Press the UP button / Appuyer sur la touche UP / Premere il tasto di UP / Pulsar UP / UP indrukken / Premir UP / Нажать UP / 按向上键
	Taste DOWN / DOWN button / Touche DOWN / Tasto DOWN / Tecla DOWN / Toets DOWN / Botão DOWN / Кнопка DOWN / 向下键
	DOWN drücken / Press the DOWN button / Appuyer sur la touche DOWN / Premere il tasto di DOWN / Pulsar DOWN / DOWN indrukken / Premir DOWN / Нажать DOWN / 按向下键

Deutsch

English

Français

Italiano

Español

Nederlands

Português

Русский

中文



Bestandteile und Montageanleitungen der Einzelgeräte finden Sie auf unserer Internetseite zum Produkt
 unter www.schneider.com

Contents

Important safety instructions	2
The ew 100 G3 evolution wireless series	3
The frequency bank system	3
Product overviews	4
Overview of the EK 100 G3 diversity receiver	4
Overview of the SK 100 G3 bodypack transmitter	5
Overview of the SKM 100 G3 radio microphone	6
Overview of the SKP 100 G3 plug-on transmitter	7
Overview of the displays of the EK 100 G3	8
Overview of the displays of the SK 100/SKM 100/SKP 100 G3	9
Putting the devices into operation	10
EK 100 G3 diversity receiver	10
SK 100 G3 bodypack transmitter	12
SKM 100 G3 radio microphone	13
SKP 100 G3 plug-on transmitter	15
Using the devices	16
Switching the devices on/off	17
Synchronizing a transmitter with the diversity receiver	19
Deactivating the lock mode temporarily	20
Muting the audio signal or deactivating the RF signal	21
Selecting a standard display	22
Overview of the operating menus	23
Synchronizing transmitters with diversity receivers	26
Cleaning the devices	28
If a problem occurs	29
Specifications	31
Manufacturer Declarations	34



Detailed instruction manuals for the individual products can be found on the corresponding product pages at www.sennheiser.com.

Important safety instructions

- Read this instruction manual.
- Keep this instruction manual. Always include this instruction manual when passing the products on to third parties.
- Heed all warnings and follow all instructions in this instruction manual.
- Use only a cloth for cleaning the products.
- Do not place the products near any heat sources such as radiators, stoves, or other devices (including amplifiers) that produce heat.
- Only use attachments/accessories specified by Sennheiser.
- When replacement parts are required, only use replacement parts specified by Sennheiser or those having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- Refer all servicing to qualified service personnel.
Servicing is required if the products have been damaged in any way, liquid has been spilled, objects have fallen inside, the products have been exposed to rain or moisture, do not operate properly or have been dropped.
- **WARNING:** To reduce the risk of fire or electric shock, do not use the products near water and do not expose them to rain or moisture.

Intended use

Intended use of the ew 100 G3 products devices includes:

- having read these instructions especially the chapter "Important safety instructions",
- using the products within the operating conditions and limitations described in this instruction manual.

"Improper use" means using the products other than as described in these instructions, or under operating conditions which differ from those described herein.

The ew 100 G3 evolution wireless series

With the ew 100 G3 evolution wireless series, Sennheiser offers high-quality state-of-the-art RF transmission systems with a high level of operational reliability and ease of use. Transmitters and receivers permit wireless transmission with studio-quality sound.

Adaptive diversity

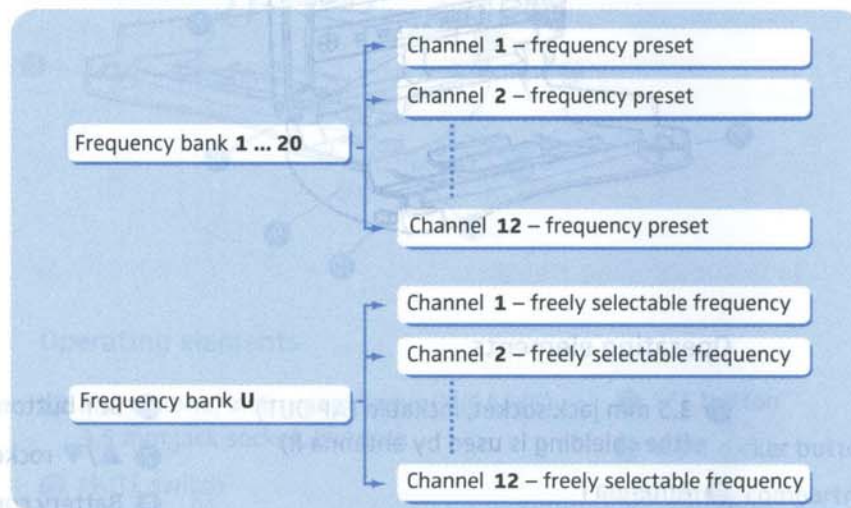
The EK 100 G3 diversity receiver operates on the **adaptive diversity** principle where the shield of the line cable is used as the second antenna to provide improved reception.

The frequency bank system

The devices are available in 6 UHF frequency ranges with 1,680 frequencies per frequency range:



Each frequency range (A–E, G) offers 21 frequency banks with up to 12 channels each:



Each of the channels in the frequency banks "1" to "20" has been factory-preset to a fixed frequency (frequency preset).

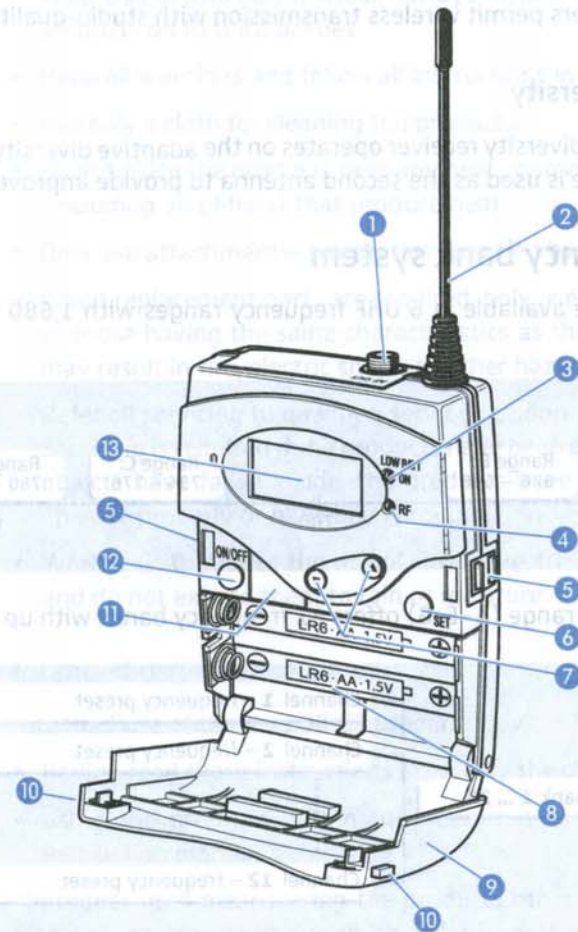
The factory-preset frequencies within one frequency bank are intermodulation-free. These frequencies cannot be changed.

For an overview of the frequency presets, please refer to the supplied frequency information sheet. Updated versions of the frequency information sheet can be downloaded from the corresponding product page on our website at www.sennheiser.com.

The frequency bank "U" allows you to freely select and store frequencies. It might be that these frequencies are **not** intermodulation-free.

Product overviews

Overview of the EK 100 G3 diversity receiver



Operating elements

- | | |
|---|---|
| 1 3.5 mm jack socket, lockable (AF OUT)
(the shielding is used by antenna II) | 6 SET button |
| 2 Antenna I | 7 ▲/▼ rocker button (UP/DOWN) |
| 3 Operation and battery status indicator,
red LED
(lit = ON/flashing = LOW BATTERY) | 8 Battery compartment |
| 4 RF signal indication, green LED
(lit = RF) | 9 Battery compartment cover |
| 5 Charging contacts | 10 Battery compartment catches |
| | 11 Infra-red interface |
| | 12 ON/OFF button
(serves as the ESC (cancel) key in
the operating menu) |
| | 13 Display panel, backlit in orange |

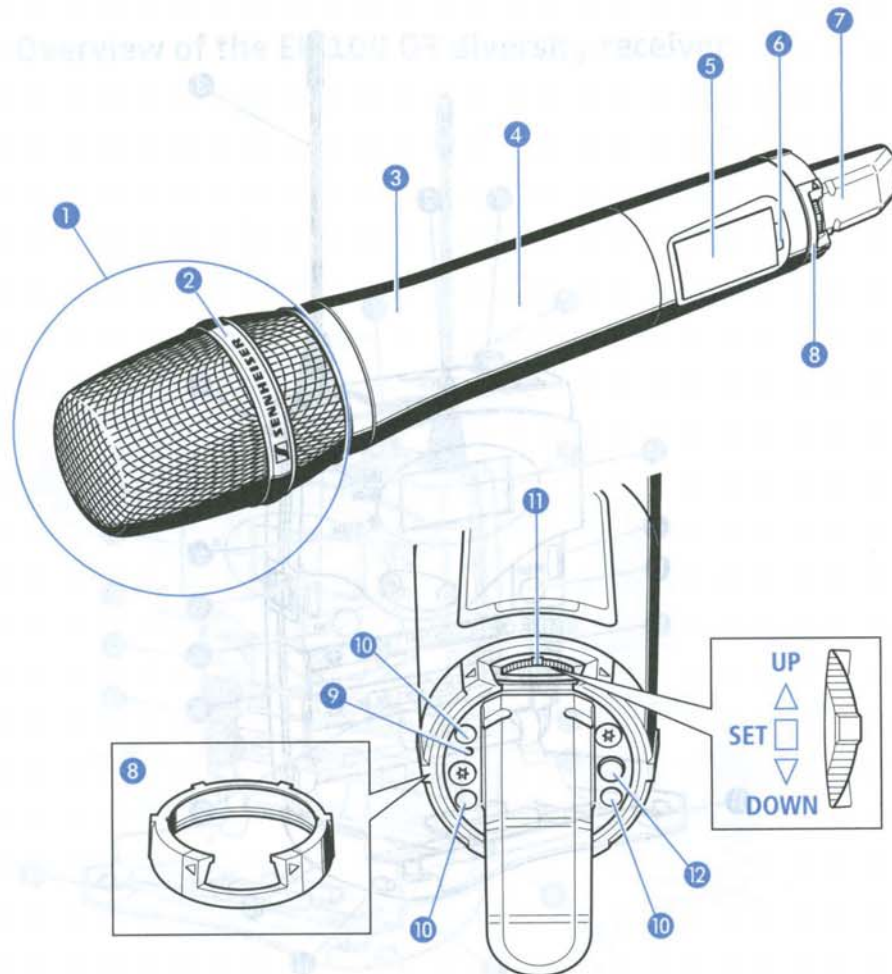
Overview of the SK 100 G3 bodypack transmitter



Operating elements

- | | |
|---|---|
| ① Microphone/instrument input (MIC/LINE), 3.5 mm jack socket, lockable | ⑦ SET button |
| ② MUTE switch | ⑧ ▲/▼ rocker button (UP/DOWN) |
| ③ Antenna | ⑨ Battery compartment |
| ④ Operation and battery status indicator, red LED (lit = ON/flashing = LOW BATTERY) | ⑩ Battery compartment cover |
| ⑤ Audio overmodulation indicator, yellow LED (lit = AF PEAK) | ⑪ Battery compartment catches |
| ⑥ Charging contacts | ⑫ Infra-red interface |
| | ⑬ ON/OFF button, serves as the ESC (cancel) key in the operating menu |
| | ⑭ Display panel, backlit in orange |

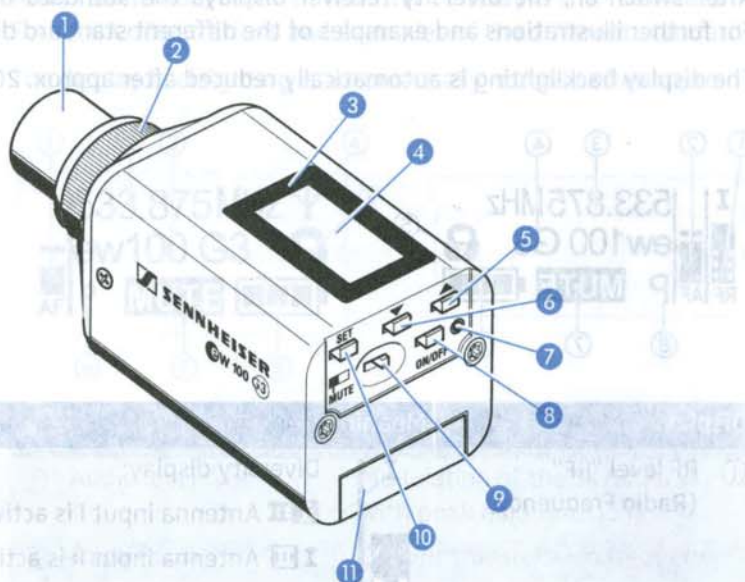
Overview of the SKM 100 G3 radio microphone



Operating elements

- 1 Microphone head (interchangeable)
- 2 Name and pick-up pattern of the microphone head (not visible here)
- 3 Body of radio microphone
- 4 Battery compartment (not visible from outside)
- 5 Display panel, backlit in orange
- 6 Infra-red interface
- 7 Antenna
- 8 Color-coded protection ring; available in different colors
- 9 Operation and battery status indicator, red LED
(lit = ON/flashing = LOW BATTERY)
- 10 Charging contacts
- 11 Multi-function switch:
▼ (DOWN), ▲ (UP) and ■ (SET)
- 12 ON/OFF button, serves as the ESC (cancel) key in the operating menu

Overview of the SKP 100 G3 plug-on transmitter



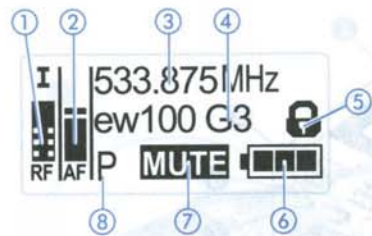
Operating elements










- | | |
|---|---|
| <ul style="list-style-type: none"> 1 Microphone input, XLR-3 socket (female, unbalanced) 2 Mechanical locking ring of XLR-3 socket 3 Infra-red interface 4 Display panel, backlit in orange 5 UP button (▲) 6 DOWN button (▼) | <ul style="list-style-type: none"> 7 Operation and battery status indicator, red LED (lit = ON/flashing = LOW BATTERY) 8 ON/OFF button (serves as the ESC (cancel) key in the operating menu) 9 MUTE switch 10 SET button 11 Battery compartment cover |
|---|---|

19 Overview of the displays of the EK 100 G3

After switch-on, the diversity receiver displays the standard display "Frequency/Name". For further illustrations and examples of the different standard displays, refer to page 22.

The display backlighting is automatically reduced after approx. 20 seconds.

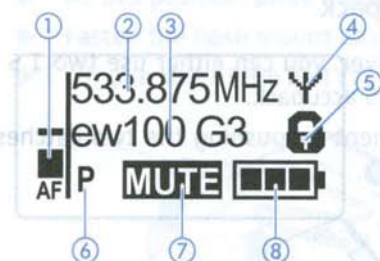






Display	Meaning
① RF level "RF" (Radio Frequency)	Diversity display:  Antenna input I is active  Antenna input II is active RF signal level:  Field strength of the received signal  Squelch threshold level
② Audio level "AF" (Audio Frequency)	Modulation of the transmitter Peak hold function When the display shows full deflection, the audio input level is excessively high. 
③ Frequency	Current receiving frequency
④ Name	Freely selectable name of the receiver
⑤ Lock mode icon	Lock mode is activated
⑥ Battery status	Charge status:  approx. 100%  approx. 70%  approx. 30%  Charge status is critical; in addition, the red LOW BATT LED ③ is flashing.
⑦ Muting function "MUTE" or line output level AF OUT	"Mute" is only displayed on the "Frequency/Name" standard display (see page 22) when no RF signal is being received. The diversity receiver then does not output an audio signal. The line output level AF OUT is only displayed on the "Frequency bank/Channel/Name" standard display (see page 22).
⑧ Pilot tone "P"	Activated pilot tone evaluation

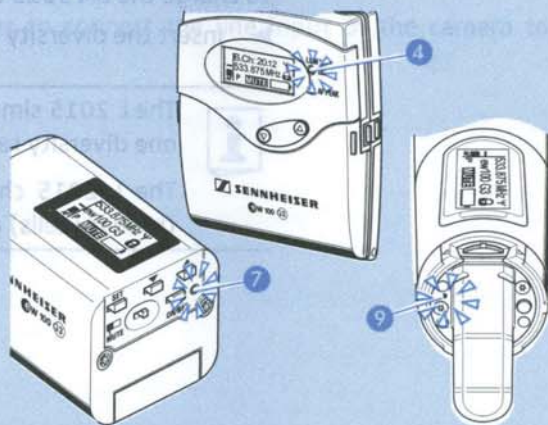
Overview of the displays of the SK 100/SKM 100/SKP 100 G3

After switch-on, the transmitter displays the standard display "Frequency/Name". For further illustrations and examples of the different standard displays, refer to page 22.

The display backlighting is automatically reduced after approx. 20 seconds.



Display	Meaning
① Audio level "AF"	Modulation of the SK/SKM/SKP 100 G3 with peak hold function.
② Frequency	Current transmission frequency
③ Name	Freely selectable name of the transmitter
④ Transmission icon	RF signal is being transmitted
⑤ Lock mode icon	Lock mode is activated
⑥ Pilot tone "P"	Pilot tone transmission is activated
⑦ "MUTE"	Audio signal is muted
⑧ Battery status	Charge status:  approx. 100%  approx. 70%  approx. 30%  Charge status is critical, the red LOW BATTERY LED 7/4/9 is flashing:



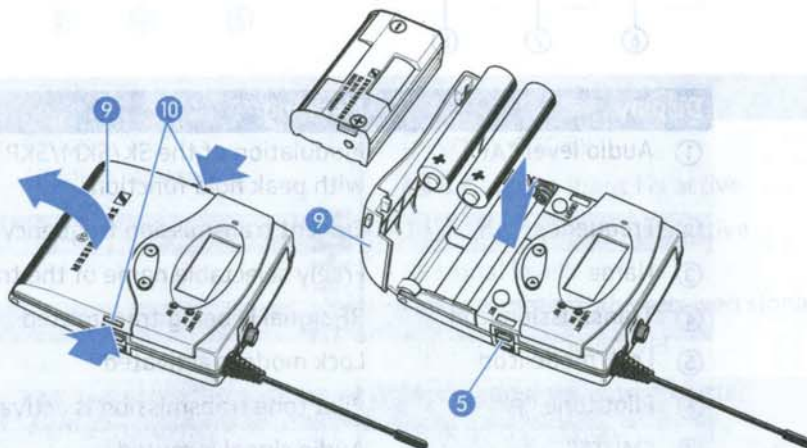
Putting the devices into operation

EK 100 G3 diversity receiver

Inserting the batteries/accupack

For powering the diversity receiver, you can either use two 1.5 V AA size batteries or the rechargeable Sennheiser BA 2015 accupack.

- ▶ Open the battery compartment by pushing the two catches **10** in the direction of the arrows and open the cover **9**.



- ▶ Insert the two batteries or the accupack as shown above. Please observe correct polarity when inserting the batteries/accupack.
- ▶ Close the battery compartment by pressing on the center of the cover **9**. The battery compartment cover **9** locks into place with an audible click.

Charging the accupack

To charge the BA 2015 accupack:

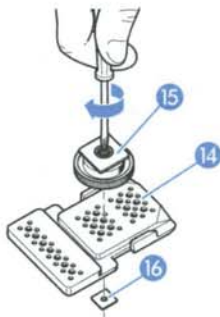
- ▶ Insert the diversity receiver into the L 2015 charger (optional accessory).



The L 2015 simultaneously charges up to two devices, e.g. two diversity receivers or one diversity receiver and one SK 100 G3 bodypack transmitter.

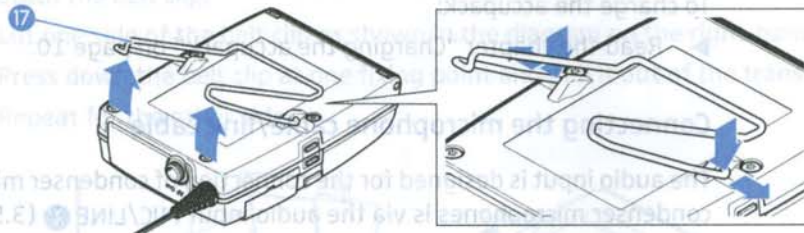
The L 2015 charger can only charge the BA 2015 accupack. Standard batteries (primary cells) or individual rechargeable battery cells cannot be charged.

Mounting the diversity receiver to a camera

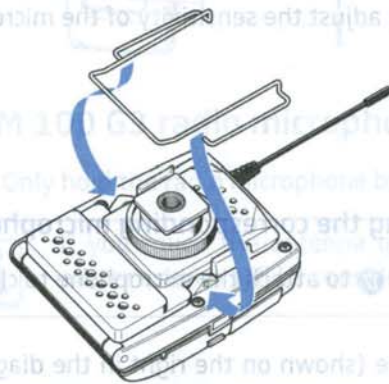


Use the supplied CA 2 camera adapter to mount the receiver to a camera's flash mount.

- ▶ Determine where on the perforated plate **14** the flash mount adapter **15** will need to be fastened so that the receiver can best be attached to the camera.
- ▶ At this position, place a square nut **16** under the perforated plate **14**.
- ▶ Fasten the flash mount adapter **15** to the perforated plate **14** using the square nut **16**.
- ▶ Lift one side of the belt clip **17** as shown.



- ▶ Press down the belt clip **17** at one fixing point and pull it out of the receiver housing.
- ▶ Repeat for the other side.
- ▶ Place the perforated plate **14** onto the rear of the receiver.



- ▶ Reinsert the belt clip **17**.
- ▶ Use one of the supplied line cables to connect the line input of the camera to the socket **1**.



The shield of the line cable serves as the antenna for the second diversity section.

SK 100 G3 bodypack transmitter

Inserting the batteries/accupack/Charging the accupack

The procedure is the same as for the EK 100 G3 diversity receiver:

To insert the batteries/accupack:

- Read the chapter "Inserting the batteries/accupack" on page 10.

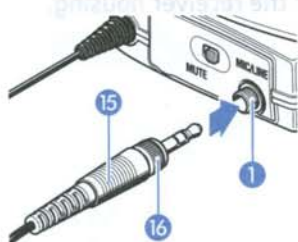
To charge the accupack:

- Read the chapter "Charging the accupack" on page 10.

Connecting the microphone cable/line cable

The audio input is designed for the connection of condenser microphones. DC powering of the condenser microphones is via the audio input **MIC/LINE 1** (3.5 mm jack socket).

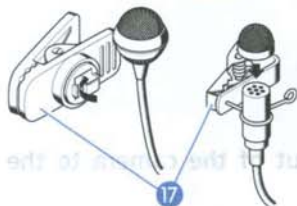
- Use one of the recommended Sennheiser microphones or the optional CL 2 line cable.
- Connect the 3.5 mm jack plug **15** from the Sennheiser cable to the 3.5 mm jack socket **MIC/LINE 1**.
- Lock the 3.5 mm jack plug by screwing down the coupling ring **16** of the cable.
- Via the operating menu, adjust the sensitivity of the microphone/line input.



Attaching and positioning the corresponding microphones

ME 2/ME 4

- Use the microphone clip **17** to attach the microphone to clothing (e.g. tie, lapel).



The ME 2 clip-on microphone (shown on the right in the diagram) has an omni-directional pick-up pattern. It is therefore not necessary to position it precisely.

- Attach the ME 2 microphone as close as possible to the sound source.

The ME 4 clip-on microphone (shown on the left in the diagram) has a cardioid pick-up pattern.

- Position the ME 4 microphone so that its sound inlet is directed towards the sound source (e.g. mouth).



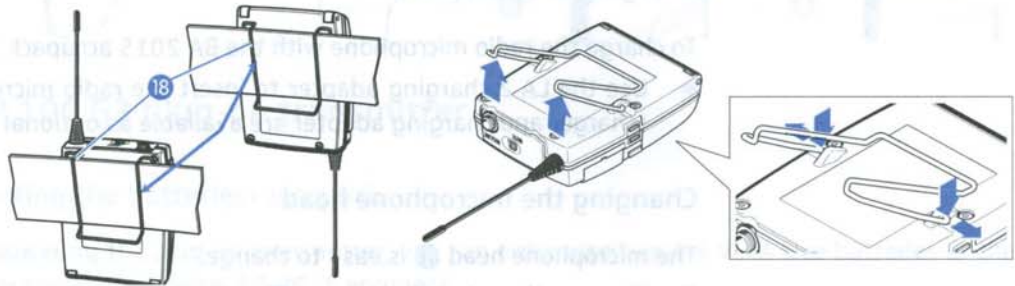
Attaching the bodypack transmitter to clothing

You can use the belt clip **18** to attach the bodypack transmitter to clothing (e.g. belt, waist-band).

The belt clip is detachable so that you can also attach the transmitter with the antenna pointing downwards. To do so, withdraw the belt clip **18** from its fixing points and attach it the other way round. The belt clip **18** is secured so that it cannot slide out of its fixing points accidentally.

To detach the belt clip:

- ▶ Lift one side of the belt clip as shown in the diagram on the right-hand side.
- ▶ Press down the belt clip at one fixing point and pull it out of the transmitter housing.
- ▶ Repeat for the other side.

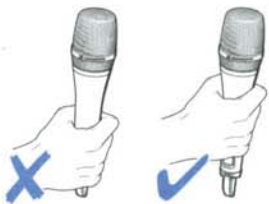


SKM 100 G3 radio microphone

- ▶ Only hold the radio microphone by its body.



If you touch the antenna of the radio microphone during operation, the transmitter's range will be considerably reduced!



Inserting the batteries/accupack

For powering the radio microphone, you can either use two 1.5 V AA size batteries or the rechargeable Sennheiser BA 2015 accupack.

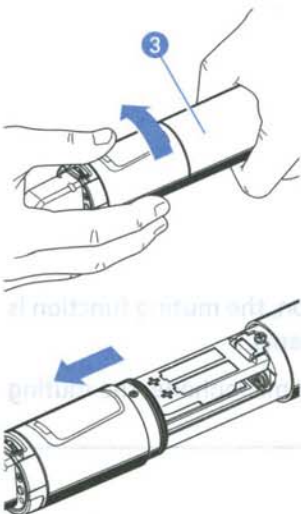
- ▶ Unscrew the lower part of the radio microphone from the radio microphone's body **3** by turning it counterclockwise.

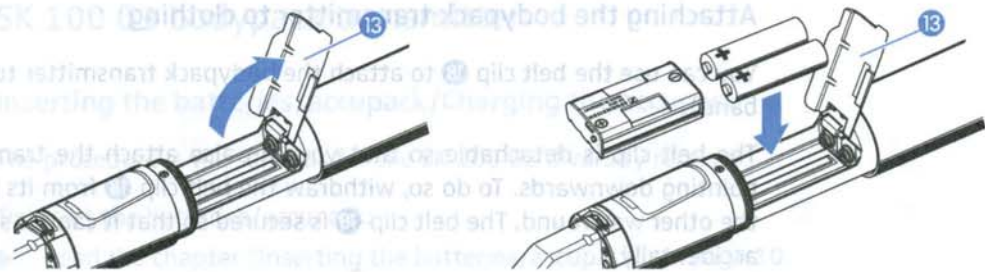


When unscrewing the radio microphone during operation, the muting function is automatically activated. "MUTE" appears on the display panel.

When screwing the lower part of the radio microphone back to the radio microphone's body, the muting is canceled.

- ▶ Slide back the lower part of the radio microphone as far as it will go.
- ▶ Open the battery compartment cover **13** (see page 14).
- ▶ Insert the batteries or the BA 2015 accupack as shown on the battery compartment cover. Observe correct polarity when inserting the batteries/accupack (see page 14).





- ▶ Close the battery compartment cover 13.
- ▶ Push the battery compartment into the radio microphone's body.
- ▶ Screw the lower part of the radio microphone back to the radio microphone's body.

Charging the accupack

To charge the radio microphone with the BA 2015 accupack (optional accessory) installed:

- ▶ Use the LA 2 charging adapter to insert the radio microphone into the L 2015 charger (charger and charging adapter are available as optional accessories).

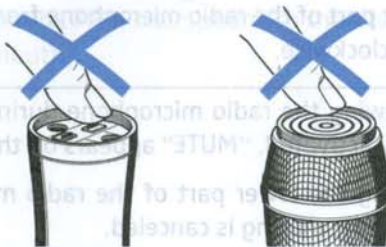
Changing the microphone head

The microphone head 1 is easy to change.

- ▶ Unscrew the microphone head 1.



Do not touch the contacts of the radio microphone nor the contacts of the microphone head 1. The contacts can become dirty or damaged if touched.



When unscrewing the microphone head 1 during operation, the muting function is automatically activated. "MUTE" appears on the display panel.

When screwing the microphone head 1 back to the radio microphone, the muting is canceled.

- ▶ Screw the desired microphone head to the radio microphone.
The radio microphone is operational again.

Changing the color-coded protection ring

The color-coded protection ring ⑧ prevents the multi-function switch ⑪ from accidental operation. Protection rings in different colors are available as accessories. The protection rings allow you to clearly identify each radio microphone.

- ▶ Remove the color-coded protection ring as shown in the left-hand diagram.
- ▶ Put on a new protection ring as shown in the right-hand diagram.

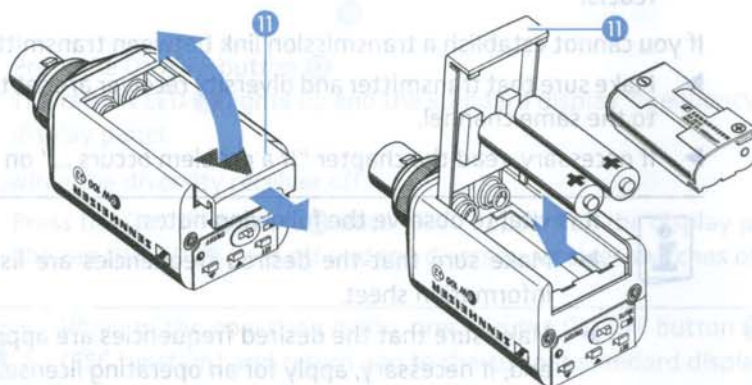


SKP 100 G3 plug-on transmitter

Inserting the batteries/accupack

For powering the plug-on transmitter, you can either use two 1.5 V AA size batteries or the rechargeable Sennheiser BA 2015 accupack.

- ▶ Slide the battery compartment cover ⑪ in the direction of the embossed arrow and open the cover.
 - ▶ Insert the two batteries or the accupack as shown below. Please observe correct polarity when inserting the batteries/accupack.
 - ▶ Close the battery compartment cover.
- The battery compartment cover ⑪ locks into place with an audible click.



Charging the accupack

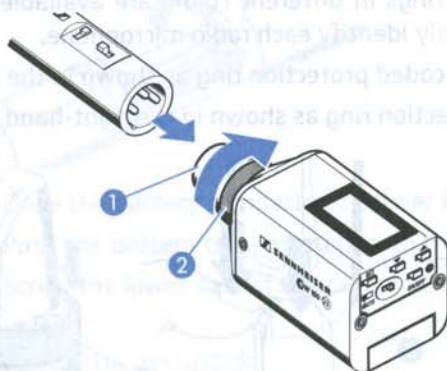
- ▶ Remove the BA 2015 accupack (optional accessory).
- ▶ Insert the BA 2015 accupack into the L 2015 charger (accupack and charger are optional accessories):



The L 2015 charger can only charge the BA 2015 accupack. Standard batteries (primary cells) or individual rechargeable battery cells cannot be charged.

Plugging the plug-on transmitter onto a microphone

- ▶ Plug the microphone's XLR-3M socket onto the transmitter's XLR-3F socket ①.



- ▶ Tighten the locking ring ② in the direction of the arrow.



The transmitter uses the microphone body as an antenna – therefore microphones with a metal casing should be used for best signal transmission.

Using the devices

To establish a transmission link, proceed as follows:

1. Switch the diversity receiver on.
2. Switch a transmitter on.

The transmission link is established and the diversity receiver's RF level display "RF" reacts.

If you cannot establish a transmission link between transmitter and diversity receiver:

- ▶ Make sure that transmitter and diversity receiver are set to the same frequency bank and to the same channel.
- ▶ If necessary, read the chapter "If a problem occurs ..." on page 29.



It is vital to observe the following notes:

- ▶ Make sure that the desired frequencies are listed in the enclosed frequency information sheet.
- ▶ Make sure that the desired frequencies are approved and legal in your country and, if necessary, apply for an operating license.

Switching the devices on/off

EK 100 G3 diversity receiver

To switch the diversity receiver on:

- ▶ Push the two battery compartment catches **10** and open the battery compartment cover **9**.



- ▶ Press the ON/OFF button **12**.
The red ON LED **3** lights up and the standard display "Frequency/Name" appears on the display panel.

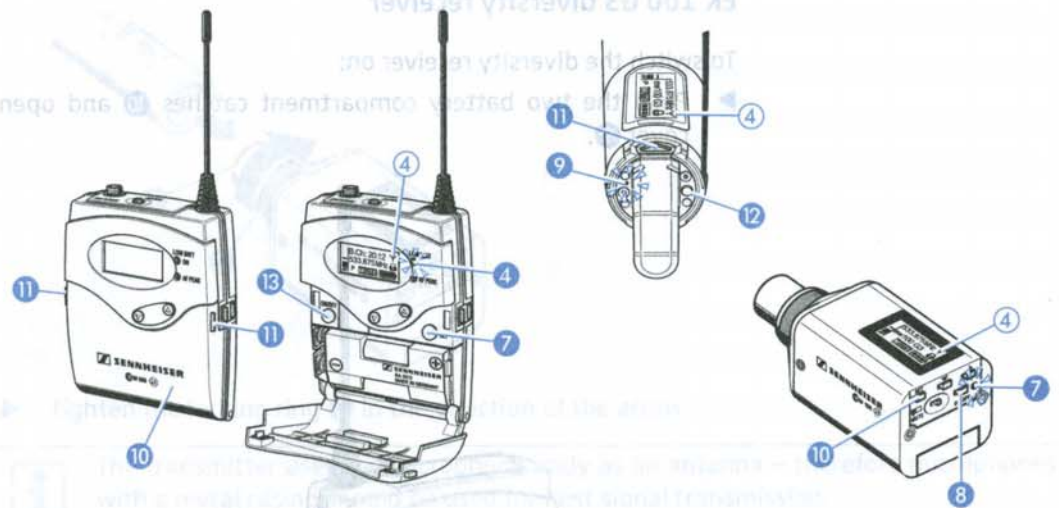
To switch the diversity receiver off:

- ▶ Press the ON/OFF button **12** until "OFF" appears on the display panel.
The red ON LED **3** goes off and the diversity receiver switches off.



When in the operating menu, pressing the ON/OFF button **12** will cancel your entry (ESC function) and return you to the current standard display.

SK 100 G3 bodypack transmitter, SKM 100 G3 radio microphone and SKP 100 G3 plug-on transmitter



To switch your transmitter on (online operation):

SK 100 G3

- ▶ Push the two catches 11 and open the battery compartment cover 10.
- ▶ Briefly press the ON/OFF button 13. The bodypack transmitter transmits an RF signal. The red ON LED 4 lights up and the standard display "Frequency/Name" appears on the display panel. The transmission icon 4 is displayed.

SKM 100 G3

- ▶ Briefly press the ON/OFF button 12. The radio microphone transmits an RF signal. The red ON LED 9 lights up and the standard display "Frequency/Name" appears on the display panel. The transmission icon 4 is displayed.

SKP 100 G3

- ▶ Briefly press the ON/OFF button 8. The plug-on transmitter transmits an RF signal. The red ON LED 7 lights up and the standard display "Frequency/Name" appears on the display panel. The transmission icon 4 is displayed.



You can switch your transmitter on and deactivate the RF signal on switch-on. For more information, refer to page 19.

To switch your transmitter off:

- ▶ If necessary, deactivate the lock mode (see page 20).
- ▶ Press the ON/OFF button 13 until "OFF" appears on the display panel. The display panel turns off. The red ON LED 4 goes off.
- ▶ Press the ON/OFF button 12 until "OFF" appears on the display panel. The display panel turns off. The red ON LED 9 goes off.
- ▶ Press the ON/OFF button 8 until "OFF" appears on the display panel. The display panel turns off. The red ON LED 7 goes off.



When in the operating menu, pressing the ON/OFF button will cancel your entry (ESC function) and return you to the current standard display.

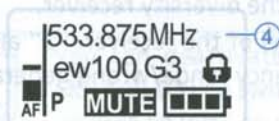
To switch your transmitter on and to deactivate the RF signal on switch-on (offline operation):

SK 100 G3

- ▶ Keep the **ON/OFF** button **13** pressed until "RF Mute On?" appears on the display panel.
- ▶ Press the **SET** button **7**.

The transmission frequency is displayed but the transmitter does not transmit an RF signal.

The transmission icon **4** is not displayed.



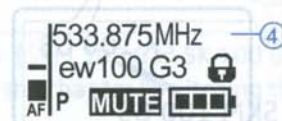
SKM 100 G3

- ▶ Keep the **ON/OFF** button **12** pressed until "RF Mute On?" appears on the display panel.
- ▶ Press the multi-function switch **11**.



SKP 100 G3

- ▶ Keep the **ON/OFF** button **8** pressed until "RF Mute On?" appears on the display panel.
- ▶ Press the **SET** button **10**.



Use this function to save battery power or to prepare a transmitter for use during live operation without causing interference to existing transmission links.

To activate the RF signal:

- ▶ Briefly press the **ON/OFF** button **13**. "RF Mute Off" appears on the display panel.
- ▶ Press the **SET** button **7**. The transmission icon **4** is displayed again.
- ▶ Briefly press the **ON/OFF** button **12**. "RF Mute Off" appears on the display panel.
- ▶ Press the multi-function switch **11**. The transmission icon **4** is displayed again.
- ▶ Briefly press the **ON/OFF** button **8**. "RF Mute Off" appears on the display panel.
- ▶ Press the **SET** button **10**. The transmission icon **4** is displayed again.



Synchronizing a transmitter with the diversity receiver

You can synchronize a suitable transmitter of the ew 100 G3 series with the diversity receiver. During synchronization, the following parameters are transferred to the transmitter:

Setting	Transferred parameters
"Frequency Preset"	Currently set frequency
"Name"	Freely selectable name currently set on the receiver
"Pilot Tone"	Current pilot tone setting of the receiver ("Inactive"/"Active")



To transfer the parameters:

- ▶ Switch the transmitter and the diversity receiver on.
- ▶ On the receiver, call up the "Sync" menu item. "Sync" appears on the display panel of the diversity receiver.
- ▶ Place the infra-red interface of the transmitter (see page 5 to page 7) in front of the infra-red interface of the diversity receiver 11.

The parameters are transferred to the transmitter. When the transfer is completed, "✓" appears on the display panel of the diversity receiver. The receiver then switches back to the current standard display.

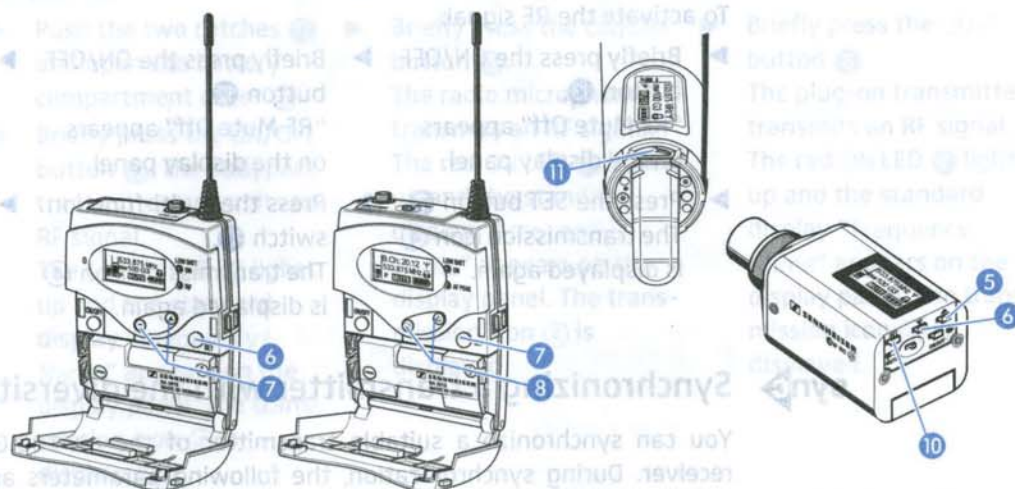
To cancel the transfer:

Press the ON/OFF button 12 on the diversity receiver.

"X" appears on the display panel of the receiver. "X" also appears if no suitable transmitter was found (wrong frequency range/wrong generation).

Deactivating the lock mode temporarily

You can activate or deactivate the automatic lock mode via the "Auto Lock" menu item (see page 23). If the lock mode is activated, you have to temporarily deactivate it in order to be able to operate the devices:



EK 100 G3/SK 100 G3

- ▶ Press the SET button 6 (EK) or 7 (SK).

"Locked" appears on the display panel.

- ▶ Press the rocker button 7 (EK) or 8 (SK).

"Unlock?" appears on the display panel.

- ▶ Press the SET button 6 (EK) or 7 (SK).

The lock mode is temporarily deactivated.

SKM 100 G3

- ▶ Press the multi-function switch 11.

- ▶ Move the multi-function switch 11 upwards/downwards.

- ▶ Press the multi-function switch 11.

SKP 100 G3

- ▶ Press the SET button 10.

- ▶ Press the UP button 5/ DOWN button 6.

- ▶ Press the SET button 10.

How you are using the devices determines how long the lock mode remains deactivated:

When you are in the operating menu

The lock mode remains deactivated until you exit the operating menu.

When one of the standard displays is shown

The lock mode is automatically activated after 10 seconds.

The lock mode icon flashes prior to the lock mode being activated again.

Muting the audio signal or deactivating the RF signal



You can deactivate the RF signal of the transmitters (SKM 100 G3, SK 100 G3, SKP 100 G3) on switch-on. For more information, refer to the chapter "Switching the devices on/off" on page 17.

Using the **ON/OFF** button, you can also activate/deactivate the transmitters' RF signal during operation. To do so, briefly press the **ON/OFF** button and proceed as described on page 19.

SK 100 G3/SKP 100 G3



The **MUTE** switch **2** (SK) / **9** (SKP) allows you to mute the audio signal or to deactivate the RF signal. Via the "Mute Mode" menu item, you can set the desired function of the **MUTE** switch **2** (SK) / **9** (SKP):

Setting	Slide the MUTE switch 2 / 9 ...	Function
"AF On/Off"	... to the left (position MUTE)	Mutes the audio signal
	... to the right	Unmutes the audio signal
"RF On/Off"	... to the left (position MUTE)	Deactivates the RF signal (offline operation)
	... to the right	Activates the RF signal (online operation)
"Disabled"	No function	

- ▶ From the "Mute Mode" menu item, select the desired setting (see page 25).
- ▶ Exit the operating menu.
- ▶ Slide the **MUTE** switch **2** (SK) / **9** (SKP) to the left, to the position **MUTE**. The transmitter reacts as indicated in the table.

The current state of the muting function or the RF signal is displayed on the display panel of the transmitter:

Audio signal is muted

Transmitter's display panel: "MUTE" ⑦ is displayed

Audio signal is activated (muting is canceled)

Transmitter's display panel: "MUTE" ⑦ is not displayed

RF signal is deactivated

Transmitter's display panel: Transmission icon ④ is not displayed, "MUTE" ⑦ is displayed

RF signal is activated

Transmitter's display panel: Transmission icon ④ is displayed, "MUTE" ⑦ is not displayed

Selecting a standard display

EK 100 G3






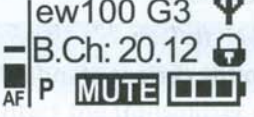
ON/OFF ► Briefly press the ON/OFF button to select a standard display.



Contents of the display	Selectable standard display
	"Frequency/Name" with "MUTE" display ⑦
	"Frequency bank/Channel/Name" with display of the line output level "AF OUT" ⑦

SK 100/SKM 100/SKP 100 G3

To select a standard display:

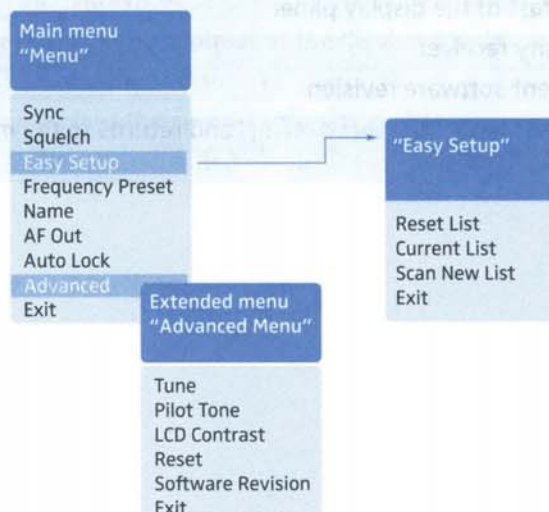
SK 100 G3	SKM 100 G3	SKP 100 G3
 Press the rocker button.	 Move the multi-function switch.	 Press the UP button/DOWN button.
Contents of the display	Selectable standard display	
	"Frequency/Name"	
	"Channel/Frequency"	
	"Name/Channel"	

Overview of the operating menus



For more detailed information on the operating menus, refer to the individual instruction manuals of the devices. These instruction manuals can be downloaded from the corresponding product pages at www.sennheiser.com.

EK 100 G3

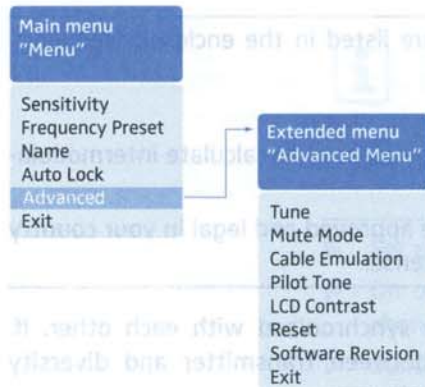


When one of the standard displays is shown on the display panel, you can get into the main menu by pressing the **SET** button **6**. The extended menu "Advanced Menu" and the "Easy Setup" menu can be accessed via the corresponding menu items.

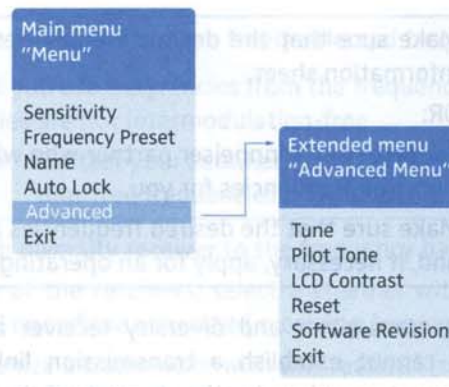
Display	Function of the menu item
Main menu "Menu"	
Sync	Synchronizes a transmitter with the diversity receiver
Squelch	Adjusts the squelch threshold Adjustment range: "Low", "Middle", "High", can be switched off Special function (for servicing purposes only): With the squelch threshold set to "Low", you switch the squelch off by keeping the DOWN rocker button 7 pressed for 3 seconds. If you then press the UP button 7 , you switch the squelch on again.
Easy Setup	Scans for unused frequency presets, releases and selects frequency presets
Frequency Preset	Changes the frequency bank and the channel
Name	Enters a freely selectable name
AF Out	Adjusts the audio output level Adjustment range: -30 dB to +12 dB, adjustable in steps of 6 dB
Auto Lock	Activates/deactivates the automatic lock mode
Advanced	Calls up the extended menu "Advanced Menu"
Exit	Exits the operating menu and returns to the current standard display
"Easy Setup"	
Reset List	Releases all locked frequency presets
Current List	Selects an unused frequency preset
Scan New List	Automatically scans for unused receiving frequencies (frequency preset scan)
Exit	Exits the menu "Easy Setup" menu and returns to the main menu
Extended menu "Advanced Menu"	
Tune	Sets the receiving frequencies for the frequency bank "U" Sets a channel and a receiving frequency for the frequency bank "U": ▶ Select this menu item and call it up by pressing the SET button 6 until the channel selection appears.
Pilot Tone	Activates/deactivates the pilot tone evaluation
LCD Contrast	Adjusts the contrast of the display panel
Reset	Resets the diversity receiver
Software Revision	Displays the current software revision
Exit	Exits the extended menu "Advanced Menu" and returns to the main menu

SK 100/SKM 100/SKP 100 G3

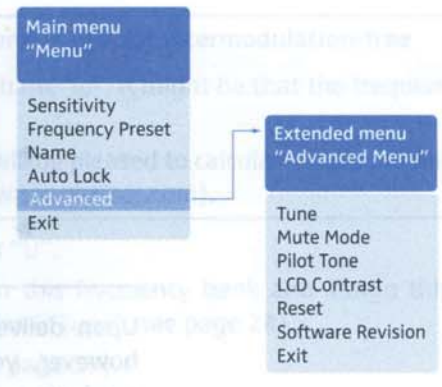
SK 100 G3



SKM 100 G3



SKP 100 G3



Display	Function of the menu item
Main menu "Menu"	
Sensitivity	Adjusts the sensitivity "AF"
Frequency Preset	Changes the frequency bank and the channel
Name	Enters the transmitter name
Auto Lock	Activates/deactivates the automatic lock mode
Advanced	Calls up the extended menu "Advanced Menu"
Exit	Exits the operating menu and returns to the current standard display
Extended menu "Advanced Menu"	
Tune	Sets the transmission frequencies for the frequency bank "U" Sets a channel and a transmission frequency for the frequency bank "U" ► Select this menu item and call it up by pressing the SET button (SK, SKP)/the multi-function switch (SKM) until the channel selection appears.
Mute Mode (SK, SKP only)	Sets the mode for the MUTE switch
Cable Emulation (SK only)	Emulates guitar cable capacities
Pilot Tone	Activates/deactivates the pilot tone transmission
LCD Contrast	Adjusts the contrast of the display panel
Reset	Resets the transmitter
Software Revision	Displays the current software revision
Exit	Exits the extended menu "Advanced Menu" and returns to the main menu

Synchronizing transmitters with diversity receivers

When synchronizing transmitters with diversity receivers, please observe the following:

- ▶ Make sure that the desired frequencies are listed in the enclosed frequency information sheet.
- OR:
- ▶ Contact your Sennheiser partner who will be pleased to calculate intermodulation-free frequencies for you.
- ▶ Make sure that the desired frequencies are approved and legal in your country and, if necessary, apply for an operating license.

Upon delivery, transmitter and diversity receiver are synchronized with each other. If, however, you cannot establish a transmission link between transmitter and diversity receiver, you have to synchronize the channels of the devices:

- ▶ Deactivate the RF signal on all transmitters (see page 21).
This prevents that, during the frequency scan, the channels used by switched-on transmitters are displayed as "used".
- ▶ With a diversity receiver, perform a frequency preset scan to scan the frequency banks for unused channels ("Scan New List", see page 24).
- ▶ Select a frequency bank and a channel on this diversity receiver ("Current List", see page 24).
If you want to set up a multi-channel system, select a frequency bank with a sufficient number of unused channels for all planned transmission links.
- ▶ Synchronize a transmitter with the diversity receiver (see page 19).
The receiver's frequency, name and pilot tone setting are transferred to the transmitter.
- OR:
- ▶ Manually set the transmitter to the same frequency bank and channel that you set on the receiver.
- ▶ Activate the RF signal on the transmitter.
The transmission link is established.

If you want to set up a multi-channel system:

- ▶ Repeat the following 4 steps for each additional transmission link:
 - Perform a frequency preset scan with the next diversity receiver.
 - Select a channel from the same frequency bank as with the first diversity receiver.
 - Synchronize a transmitter with the diversity receiver.
 - Activate the RF signal on the transmitter.

Using freely selectable frequencies

You can also freely select the receiving frequencies and store these frequencies in the frequency banks "U".



It might be that the freely selected frequencies are not intermodulation-free

If you use frequencies from the frequency bank "U", it might be that the frequencies are not intermodulation-free.

► Contact your Sennheiser partner who will be pleased to calculate intermodulation-free frequencies for you (see www.sennheiser.com).

- Set each diversity receiver to the frequency bank "U".
 - On one of the receivers, select a channel within this frequency bank and assign this channel one of the calculated receiving frequencies ("Tune", see page 24).
 - Synchronize a transmitter with this receiver (see page 19).
- OR:
- Manually set the transmitter to the same frequency bank and channel that you set on the receiver.
 - Repeat for the remaining transmitters and receivers as described above.

Cleaning the devices

CAUTION!

Liquids can damage the electronics of the devices!

Liquids entering the housing of the devices can cause a short-circuit and damage the electronics.

- ▶ Keep all liquids away from the devices.

- ▶ Use a cloth to clean the devices from time to time. Do not use any solvents or cleansing agents.

SKM 100 G3

To clean the radio microphone's sound inlet basket:

- ▶ Unscrew the upper sound inlet basket from the microphone head by turning it counter-clockwise.

CAUTION!

Liquids can damage the microphone head!

Liquids can damage the microphone head.

- ▶ Only clean the upper sound inlet basket.

- ▶ Remove the foam insert.
- ▶ There are two ways to clean the sound inlet basket:
 - Use a cloth to clean the upper sound inlet basket from the inside and outside
 - or scrub with a brush and rinse with clear water.
- ▶ If necessary, clean the foam insert with a mild detergent or replace the foam insert.
- ▶ Dry the upper sound inlet basket.
- ▶ Dry the foam insert.
- ▶ Reinsert the foam insert.
- ▶ Replace the sound inlet basket on the microphone head and screw it tight.

You should also clean the contact rings of the microphone head from time to time:

- ▶ Wipe the contact rings of the microphone head with a cloth.

If a problem occurs ...

EK 100 G3

Problem	Possible cause	Possible solution
Diversity receiver cannot be operated, "Locked" appears on the display panel	Lock mode is activated	Deactivate the lock mode (see page 20).
No operation indication	Batteries are flat or accupack is flat	Replace the batteries or recharge the accupack (see page 10).
No RF signal	Transmitter and receiver are not on the same channel	Set the transmitter and receiver to the same channel. Synchronize the transmitter with the receiver (see page 19).
	Transmission range is exceeded	Reduce the distance between receiver and transmitter.
	RF signal is deactivated ("RF Mute")	Activate the RF signal (see page 21).
RF signal available, no audio signal, "MUTE" appears on the display panel	Transmitter is muted	Cancel the muting (see page 21).
	Receiver's squelch threshold is adjusted too high	Reduce the squelch threshold setting on the receiver (see page 24).
	Transmitter doesn't transmit a pilot tone	Deactivate the pilot tone evaluation (see page 24).
Audio signal has a high level of background noise	Transmitter sensitivity is adjusted too low	Adjust the transmitter sensitivity correctly ("Sensitivity", see page 25).
Audio signal is distorted	Transmitter sensitivity is adjusted too high	Adjust the transmitter sensitivity correctly ("Sensitivity", see page 25).
	Receiver's audio output level is adjusted too high	Reduce the audio output level ("AF Out", see page 24).
No access to a certain channel	During scanning, an RF signal has been detected on this channel and the channel has been locked	Set the transmitter operating on this channel to a different channel and redo the frequency preset scan (see page 24).
	During scanning, a transmitter of your system operating on this channel has not been switched off	Switch the transmitter off and redo the frequency preset scan (see page 24).

Problem	Possible cause	Possible solution
Transmitter cannot be operated, "Locked" appears on the display panel	Lock mode is activated	Deactivate the lock mode (see page 20).
No operation indication	Batteries are flat or accupack is flat	Replace the batteries or recharge the accupack (see page 13).
No RF signal at the receiver	Transmitter and receiver are not on the same channel	Synchronize the transmitter with the receiver (see page 19). Set the transmitter to the same channel as the receiver.
	Transmission range is exceeded	Reduce the distance between receiver and transmitter.
	RF signal is deactivated ("RF Mute")	Activate the RF signal (see page 21).
RF signal available, no audio signal, "MUTE" appears on the display panel	Transmitter is muted (MUTE)	Cancel the muting (see page 21).
	Receiver's squelch threshold is adjusted too high	Reduce the squelch threshold setting on the receiver.
	Transmitter doesn't transmit a pilot tone	Activate or deactivate the pilot tone transmission (see page 25).
Audio signal has a high level of background noise or is distorted	Transmitter's sensitivity is adjusted too low/too high	Adjust the input sensitivity (see page 25).

If a problem occurs that is not listed in the above table or if the problem cannot be solved with the proposed solutions, please contact your local Sennheiser partner for assistance. To find a Sennheiser partner in your country, search at www.sennheiser.com under "Service & Support".

Specifications

System

Modulation	wideband FM
Frequency ranges	516–558, 566–608, 626–668, 734–776, 780–822, 823–865 MHz (A to E, G, see page 3)
Frequencies	1,680 frequencies, tuneable in steps of 25 kHz 20 frequency banks, each with up to 12 factory-preset channels 1 frequency bank with up to 12 user programmable channels
Switching bandwidth	42 MHz
Frequency stability	±10 ppm (–10°C to +55°C)
Compander system	Sennheiser HDX
Nominal/peak deviation	±24 kHz/±48 kHz
Pilot tone (frequency/deviation)	32.7665 kHz/±2 kHz
THD	≤ 0.9%
Temperature range	–10°C to +55°C

EK 100 G3

Receiver principle	adaptive diversity
Sensitivity (with HDX , peak deviation)	< 1.6 µV for 52 dBA _{rms} S/N
Adjacent channel rejection	typ. ≥ 65 dB
Intermodulation attenuation	typ. ≥ 65 dB
Blocking	≥ 70 dB
Squelch	Off, Low: 5 dBµV, Middle: 15 dBµV, High: 25 dBµV
Pilot tone squelch	can be switched off
S/N ratio (1 mV, peak deviation)	≥ 60 dB
AF output voltage (at peak deviation, 1 kHz AF)	3.5 mm jack socket: +11 dBu (mono, unbalanced)
Adjustment range of audio output level ("AF Out")	42 dB, adjustable in steps of 6 dB
Power supply	2 AA size batteries, 1.5 V or BA 2015 accupack
Nominal voltage	2.4 V ===
Power consumption:	
• at nominal voltage	typ. 140 mA
• with switched-off diversity receiver	≤ 25 µA
Operating time	typ. 8 hrs
Dimensions	approx. 82 x 64 x 24 mm
Weight (incl. batteries)	approx. 120 g

In compliance with

Europe

CE	EMC	EN 301489-1/-9
	Radio	EN 300422-1/-2
	Security	EN 60065

USA

FC	47 CFR 15 subpart B
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Approved by

Canada

Industry Canada RSS 123

IC 2099A-G3EK100

limited to 806 MHz

SK 100/SKM 100/SKP 100 G3RF output power at 50 Ω

typ. 30 mW

Pilot tone squelch

can be switched off

AF frequency response

microphone: 80–18,000 Hz

SK

line: 25–18,000 Hz

SKM/SKP

80–18,000 Hz

Signal-to-noise ratio (1 mV RF, peak deviation)

 ≥ 110 dBA

SK/SKM/SKP

Max. input voltage (SK) microphone/line

3 V_{rms}

Max. input voltage (SKP)

3.3 V_{rms}

Input impedance SK microphone/line

40 k Ω , unbalanced/1 M Ω

Input impedance SKP

60 k Ω , unbalanced

Input capacitance SK

switchable

Adjustment range of input sensitivity

SK: 60 dB, adjustable in steps of 3 dB

SKM, SKP: 48 dB, adjustable in steps of 6 dB

Power supply

2 AA size batteries, 1.5 V

or BA 2015 accupack

Nominal voltage

2.4 V ===

Current consumption

at nominal voltage

typ. 180 mA

with switched-off transmitter

 ≤ 25 μ A

Operating time

typ. 8 hrs

Dimensions

SK: approx. 82 x 64 x 24 mm

SKM: approx. \varnothing 50 x 265 mm

SKP: approx. 105 x 43 x 43 mm

Weight (incl. batteries)

SK: approx. 160 g

SKM: approx. 450 g

SKP: approx. 195 g

In compliance with (SK, SKM and SKP 100 G3)

Europe



EMC	EN 301489-1/-9
Radio	EN 300422-1/-2
Security	EN 60065, EN 62311 (SAR)

Approved by (SK, SKM and SKP 100 G3)

	SK 100 G3	SKM 100 G3	SKP 100 G3
Canada	Industry Canada RSS 123, IC: 2099A-G3SK limited to 806 MHz	Industry Canada RSS 123, IC: 2099A-G3SKMEM limited to 806 MHz	Industry Canada RSS 123, IC: 2099A-G3SKP limited to 806 MHz
USA	FCC-Part 74, FCC-ID: DMO G3SK limited to 698 MHz	FCC-Part 74, FCC-ID: DMO G3SKMEM limited to 698 MHz	FCC-Part 74, FCC-ID: DMOG3SKP limited to 698 MHz



For accessories and information on connector assignment, visit the ew G3 product page at www.sennheiser.com.

Microphones (SK 100 G3)

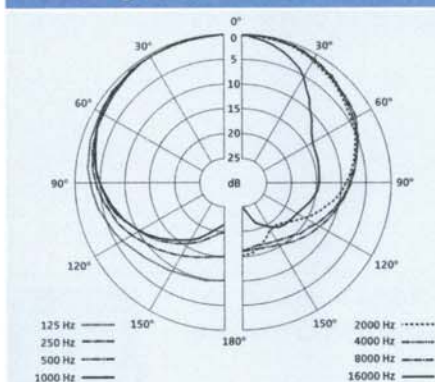
	ME 2	ME 4
Microphone type	condenser	condenser
Sensitivity	20 mV/Pa	40 mV/Pa
Pick-up pattern	omni-directional	cardioid
Max. SPL	130 dB SPL	120 dB SPL

MMD 835-1 microphone head (SKM 100 G3)

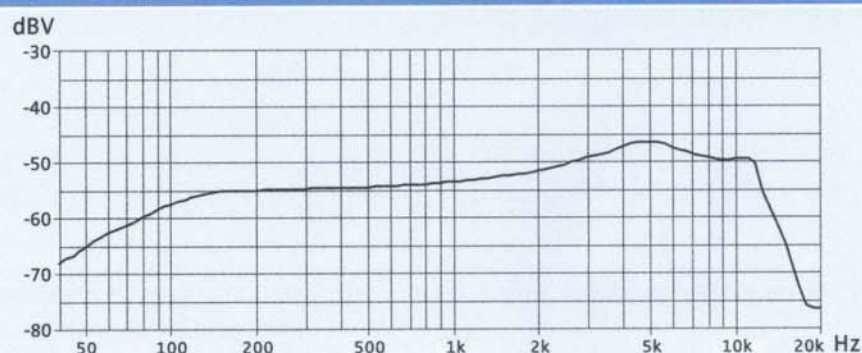
	MMD 835-1
Microphone type	dynamic
Sensitivity	2.1 mV/Pa
Pick-up pattern	cardioid
Max. SPL	154 dB SPL

Polar diagram and frequency response curve of the MMD 835-1 microphone head (SKM 100 G3)

Polar diagram MMD 835-1



Frequency response curve MMD 835-1



Manufacturer Declarations

Warranty

Sennheiser electronic GmbH & Co. KG gives a warranty of 24 months on this product.

For the current warranty conditions, please visit our web site at www.sennheiser.com or contact your Sennheiser partner.

In compliance with the following requirements

- RoHS Directive (2002/95/EC)
- WEEE Directive (2002/96/EC)



Please dispose of these products at the end of their operational lifetime by taking them to your local collection point or recycling center for such equipment.

- Battery Directive (2006/66/EC)



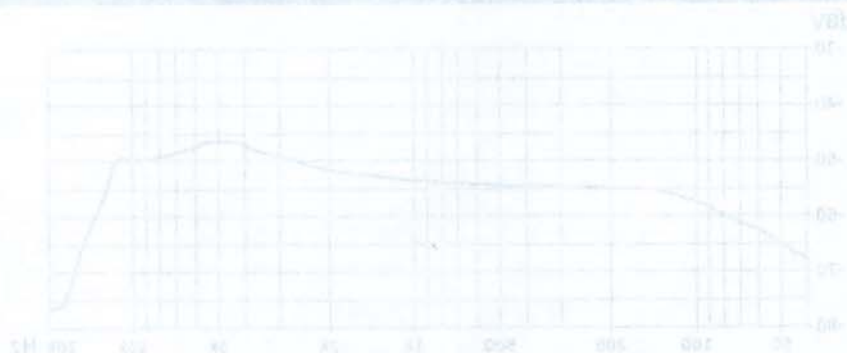
The supplied batteries or rechargeable batteries can be recycled. Please dispose of them as special waste or return them to your specialist dealer. In order to protect the environment, only dispose of exhausted batteries.

CE Declaration of Conformity

- EK 100 G3: **CE 0682** SK / SKM / SKP 100 G3: **CE 0682 D**
- R&TTE Directive (1999/5/EC)

The declarations are available at www.sennheiser.com.

Before putting the devices into operation, please observe the respective country-specific regulations.



Sommaire

Statements regarding FCC and Industry Canada

These devices comply with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) these devices may not cause harmful interference, and (2) these devices must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

These class B digital devices comply with the Canadian ICES-003.

Changes or modifications made to this equipment not expressly approved by Sennheiser electronic Corp. may void the FCC authorization to operate this equipment.

Before putting the devices into operation, please observe the respective country-specific regulations!

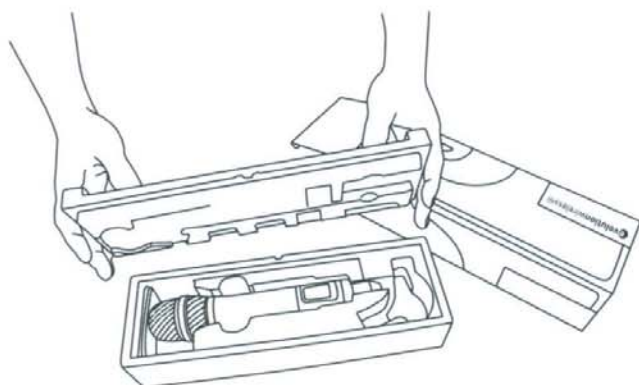


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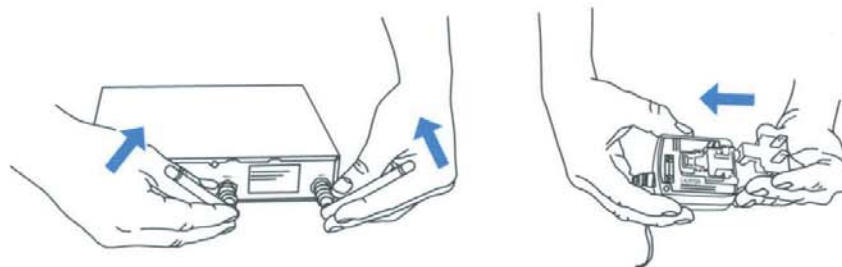
Printed in USA
Publ. 01/09
529660/A01

PREPARING DEVICE FOR USE

1. Unpack items from carton.



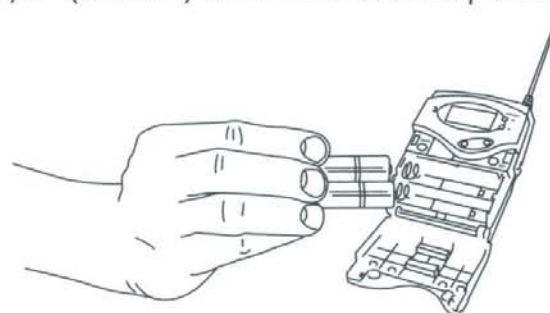
2. (This step for EM rackmount units only) Attach antennas and place in a "V" shape. Insert country tip into AC adapter, it will slide in and make a positive "click" sound. Insert yellow plug into back of EM rackmount receiver unit.



3. Plug in lavalier microphone, headset mic, or guitar cable into bodypack transmitter and secure by gently tightening the locking ring (if applicable).

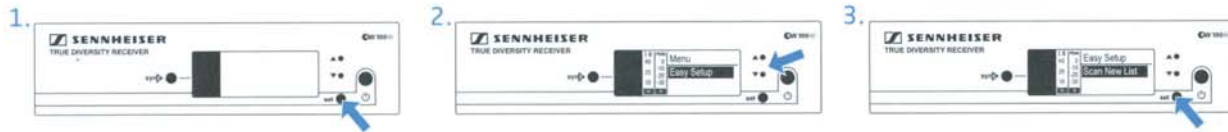


4. Insert 2 x AA (UM3) batteries into the transmitter (bodypack or handheld), observing polarity. (Camera sets only): Insert 2 x AA batteries into receiver bodypack (EK100G3). Connect either the 1/8" (3.5mm) or XLR camera output cable.

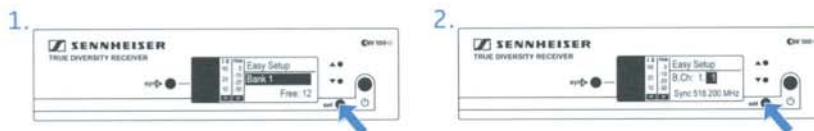


FREQUENCY SCAN

1. Power on the receiver (EM or EK unit) by pressing the ON/OFF button. On the receiver, press SET to activate the menu. Press up/down buttons to select "Easy Setup". Press SET and choose "Scan New List." Press SET once more to start scan.

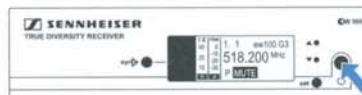


2. After the scan is completed (about 60 seconds) the receiver will suggest a BANK to choose with the most free channels by placing the cursor over it. Press SET to confirm this BANK. Now select a channel using the up/down arrows and press SET to confirm. The receiver will now say "STORED."

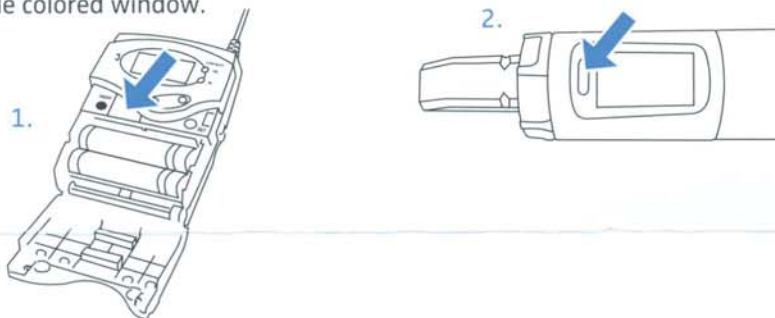


3. **Stored**

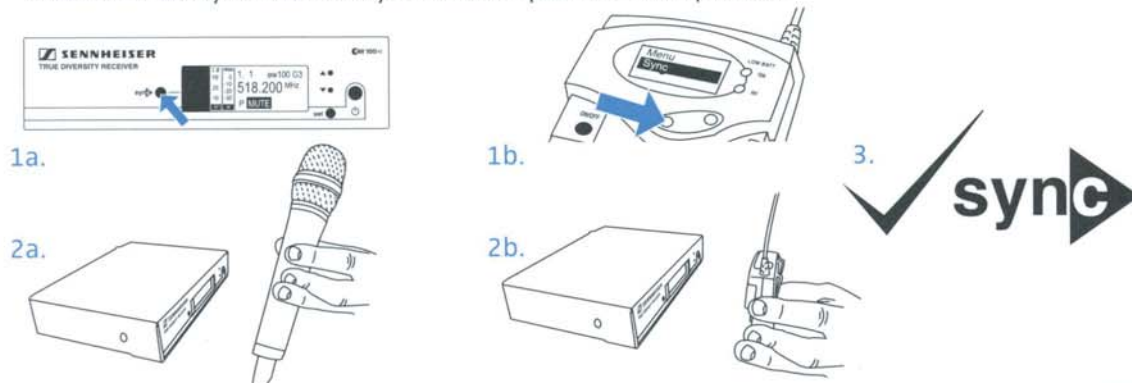
3. Tap ON/OFF to exit the menu. The frequency chosen will be displayed. You should see zero RF/AF activity on the meter (indicating you are on a free channel).



4. Power up the transmitter (SK, SKM) you wish to pair with the receiver. Become familiar where the infrared (IR) window is located. On a G3 handheld transmitter, the window is located on the LCD display. On a bodypack transmitter, it is located under the battery door just to the right of the ON/OFF button under a purple colored window.



5. Enter SYNC mode by pressing "SYNC" button (EM receivers) or selecting SYNC option from menu (EK receiver). Once the SYNC logo displays, hold the handheld or bodypack infrared window facing the left side of the receiver display about 6" away. When SYNC is successful, you will see a check mark briefly next to the SYNC logo on the receiver screen. If you see an "X" next to the SYNC logo, it indicates the sync failed and you should repeat the SYNC process.



FINAL SET-UP & TIPS

- It is suggested that you adjust the receiver (EM or EK) AF OUT setting to around 0dB for most situations. The AF OUT setting is your master output volume.
- The **SENSITIVITY** setting (SK and SKM transmitters only) should be adjusted so that in your loudest passages, the **AF PEAK** indicator briefly illuminates. As the **SENSITIVITY** settings move closer to "0 dB" they become louder.
- If setting up multiple systems in the same frequency range (A/B/G), you can repeat the "EASY SETUP/SCAN NEW LIST/SYNC" process for each system.
- Be sure to choose the same **BANK** number (but a different channel number) for units in the same frequency range in order to ensure trouble-free operation.
- It is suggested you perform the **EASY SETUP/SCAN NEW LIST** function whenever you use your unit in a different area (at a gig etc.) Open frequencies vary from one location to another.
- On the receiver: The **RF and AF** meter bars indicate status. RF (Radio Frequency) meter is akin to "bars of reception" on your cellphone. The AF (Audio Frequency) meter moves whenever audio is transmitted through the system.
- On portable camera sets the receiver will clip onto the included **CA2** camera shoe mount.

Informations complémentaires concernant les systèmes evolution wireless ew G3

Les émetteurs et les récepteurs sont disponibles dans une plage de fréquences UHF de 42 MHz de largeur, ce qui autorise un choix parmi 1680 fréquences d'émission et de réception.

Les émetteurs et les récepteurs possèdent 20 banques de fréquences, dans lesquelles chaque canal est préréglé en usine sur une fréquence. Les fréquences préréglées au sein d'une banque de fréquence sont compatibles entre elles, c.à.d. exemptes d'intermodulation. Elles ne peuvent pas être modifiées.

Les banques de fréquences « U » (ew 100 : banque « U », ew 300 / ew 500 : banques « U1 » – « U6 ») permettent de mémoriser des fréquences au choix, qui peuvent être réglées par pas de 25 kHz. Il se peut que ces fréquences ne soient pas exemptes d'intermodulation.

Le tableau suivant dresse la liste des fréquences préréglées dans les banques de fréquences « 1 » à « 20 » :

- Série ew 100 G3 : les 12 premiers canaux d'une banque
- Série ew 300 G3 : les 24 premiers canaux d'une banque
- Série ew 500 G3 : max. 32 canaux d'une banque

Les paramètres par défaut suivants, préréglés en usine, peuvent être restaurés à tout moment via l'option Reset :

Auto Lock	inactif
Sensitivity	SK -30 dB SKM -18 dB
RF Power	standard (ew 300, ew 500)
Mute Mode	AF On/Off (SK : tous, SKM : 300)
Squelch	low/5 dBµV
AF Out	EM +18 dB EK 0 dB
Equalizer	flat
Guitar Tuner	inactif (ew 100, ew 500)
Name	nom de la série
Pilot Tone	n'est pas réinitialisé
Banques « U »	ne sont pas réinitialisées
Sync Settings	inactif (ew 300, ew 500)
Warnings	actif (ew 300, ew 500)
IP Address	auto-IP (ew 300, ew 500)

Información adicional para sistemas Sennheiser de la serie evolution wireless G3

Para la transmisión se dispone de un rango de frecuencia de 42 MHz de amplitud con 1680 frecuencias de transmisión/recepción posibles en la banda UHF.

Los transmisores y receptores cuentan con 20 bancos de canales cada uno para los que se ha preajustado una frecuencia en fábrica. Dentro de un banco de canales, los preajustes de frecuencia se encuentran libres de intermodulación entre ellos. Estos no se pueden cambiar.

En los bancos de canales «U» (ew 100: banco «U», ew 300/ ew 500: banco «U1»–«U6») puede ajustar libremente y guardar frecuencias a pasos de 25 kHz. Estas frecuencias pueden no estar libres de intermodulación.

Los preajustes de frecuencia en los bancos de canales «1» a «20» se representan en la siguiente tabla:

- Serie ew 100 G3: los primeros 12 canales de cada banco de canales
- Serie ew 300 G3: los primeros 24 canales de cada banco de canales
- Serie ew 500 G3: máx. 32 canales de cada banco de canales

Con la opción de menú Reset, se pueden llamar de nuevo los siguientes ajustes de fábrica en todo momento:

Auto Lock	inactivo
Sensitivity	SK -30 dB SKM -18 dB
RF Power	standard (ew 300, ew 500)
Mute Mode	AF On/Off (SK: todos, SKM: 300)
Squelch	low/5 dBµV
AF Out	EM +18 dB EK 0 dB
Equalizer	flat
Guitar Tuner	inactivo (ew 100, ew 500)
Name	nombre de la serie
Pilot Tone	no se resetea con Reset
User Banks	no se resetean con Reset
Sync Settings	inactivo (ew 300, ew 500)
Warnings	activo (ew 300, ew 500)
IP Address	auto-IP (ew 300, ew 500)

516–558 MHz



Zusatzinformation für Sennheiser Systeme der Serie evolution wireless G3

Für die Übertragung steht im UHF-Band ein 42 MHz breiter Frequenzbereich mit 1680 möglichen Sende-/Empfangsfrequenzen zur Verfügung.

Die Sender und Empfänger verfügen über jeweils 20 Kanalbänke, auf denen werkseitig eine Frequenz voreingestellt ist. Innerhalb einer Kanalbanc sind die Frequenz-Presets untereinander intermodulationsfrei. Sie sind nicht veränderbar.

In den Kanalbänken „U“ (ew 100: Bank „U“, ew 300/ew 500: Bank „U1“–„U6“) können Sie in 25-kHz-Schritten Frequenzen frei einstellen und abspeichern. Diese sind unter Umständen nicht intermodulationsfrei.

Die Frequenz-Presets in den Kanalbänken „1“ bis „20“ sind in der folgenden Tabelle dargestellt:

- ew 100 G3 Serie: die ersten 12 Kanäle je Kanalbanc
- ew 300 G3 Serie: die ersten 24 Kanäle je Kanalbanc
- ew 500 G3 Serie: max. 32 Kanäle je Kanalbanc

Folgende Werkseinstellungen sind mit dem Menüpunkt Reset jederzeit wieder abrufbar:

Auto Lock	inaktiv
Sensitivity	SK -30 dB SKM -18 dB
RF Power	standard (ew 300, ew 500)
Mute Mode	AF On/Off (SK: alle, SKM: 300)
Squelch	low/5 dBµV
AF Out	EM +18 dB EK 0 dB
Equalizer	flat
Guitar Tuner	inaktiv (ew 100, ew 500)
Name	Name der Serie
Pilot Tone	wird mit Reset nicht zurückgesetzt
User Bänke	werden mit Reset nicht zurückgesetzt
Sync Settings	inaktiv (ew 300, ew 500)
Warnings	aktiv (ew 300, ew 500)
IP Address	auto-IP (ew 300, ew 500)

Additional information for Sennheiser evolution wireless G3 systems

Transmitters and receivers are available in a 42 MHz UHF frequency range with a total of 1,680 transmission/receiving frequencies.

Transmitters and receivers have 20 frequency banks respectively. Each of the channels in the frequency banks has been factory-preset to a frequency. The frequency presets within one frequency bank are intermodulation-free. These frequencies cannot be changed.

The frequency banks “U” (ew 100: bank “U”, ew 300/ew 500: banks “U1”–“U6”) allow the user to store individual frequencies which are freely selectable in 25-kHz steps. It might be that these frequencies are not intermodulation-free.

The following table lists the frequency presets in the frequency banks “1” to “20”:

- ew 100 G3 series: the first 12 channels in a frequency bank
- ew 300 G3 series: the first 24 channels in a frequency bank
- ew 500 G3 series: max. 32 channels in a frequency bank

The following factory-preset default settings can be recalled any time via the Reset menu item:

Auto Lock	inactive
Sensitivity	SK -30 dB SKM -18 dB
RF Power	standard (ew 300, ew 500)
Mute Mode	AF On/Off (SK: all, SKM: 300)
Squelch	low/5 dBµV
AF Out	EM +18 dB EK 0 dB
Equalizer	flat
Guitar Tuner	inactive (ew 100, ew 500)
Name	name of the series
Pilot Tone	will not be reset
User banks “U”	will not be reset
Sync Settings	inactive (ew 300, ew 500)
Warnings	active (ew 300, ew 500)
IP Address	auto-IP (ew 300, ew 500)

Frequenzbereich / Frequency Range / Bande de fréquence / Rango de frecuencia **A** **516–558 MHz**

US TV-channel		EBU TV-channel	
Ch. 21 (512–518 MHz)	Ch. 25 (536–542 MHz)	Ch. 26 (510–518 MHz)	Ch. 29 (534–542 MHz)
Ch. 22 (518–524 MHz)	Ch. 26 (542–548 MHz)	Ch. 27 (518–526 MHz)	Ch. 30 (542–550 MHz)
Ch. 23 (524–530 MHz)	Ch. 27 (548–554 MHz)	Ch. 28 (526–534 MHz)	Ch. 31 (550–558 MHz)
Ch. 24 (530–536 MHz)	Ch. 28 (554–560 MHz)		

Channel	Bank 1	Bank 2	Bank 3	Bank 4	Bank 5	Bank 6	Bank 7	Bank 8	Bank 9	Bank 10
<div><div><div><div>ew 100</div><div>–</div><div>ew 300</div><div>–</div><div>ew 500</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>10</div><div>11</div><div>12</div><div>13</div><div>14</div><div>15</div><div>16</div><div>17</div><div>18</div><div>19</div><div>20</div><div>21</div><div>22</div><div>23</div><div>24</div><div>25</div><div>26</div><div>27</div><div>28</div><div>29</div><div>30</div><div>31</div><div>32</div></div></div></div>	518,200	524,250	530,100	536,350	542,900	548,850	554,100	518,125	516,000	516,000
	518,700	524,800	530,800	537,700	543,600	549,800	554,550	518,500	516,875	516,400
	519,650	525,550	531,650	538,650	544,450	550,250	555,200	519,000	517,500	517,000
	520,450	526,550	532,050	539,300	545,050	551,100	555,700	519,625	520,175	517,800
	520,900	527,700	533,050	540,100	545,450	551,500	556,450	520,375	522,625	519,000
	521,600	528,100	533,550	540,700	546,200	552,150	557,050	521,375	524,800	520,600
	522,000	529,050	534,850	541,100	546,750	552,950	557,450	523,375	529,625	522,800
	522,900	529,500	535,750	541,800	547,700	553,500	558,000	525,875	530,825	526,000
	528,800	516,950	517,300	518,900	516,900	524,050	516,300	534,125	540,525	528,400
	535,100	535,250	523,300	519,800	524,750	533,500	524,750	535,375	553,625	533,200
	552,350	528,100	547,200	550,100	551,250	537,700	533,550	537,500	516,375	537,200
▼	531,600	554,900	551,050	555,050	553,200	556,900	538,250	540,125	518,425	541,600
	539,900	519,200	520,150	516,150	518,100	518,950	517,200	541,750	520,975	549,000
	540,500	540,400	520,800	516,900	521,900	522,300	526,800	521,000	521,525	552,400
	542,900	541,850	521,250	524,600	522,800	523,450	529,550	522,125	523,350	519,475
	543,950	542,650	521,850	525,500	523,850	527,250	532,700	522,500	526,375	521,300
	546,050	545,150	523,900	526,550	528,450	528,400	538,950	524,125	531,400	523,850
	546,600	546,050	525,000	545,300	528,950	529,000	544,800	532,250	527,625	527,625
	550,850	547,250	553,150	546,500	531,900	532,600	547,200	525,125	533,975	530,150
	552,950	548,150	555,700	549,350	553,650	534,100	550,350	534,500	534,725	531,175
	553,700	550,400	556,900	556,250	555,000	538,300	530,250	535,000	536,200	539,950
	556,100	557,900	557,550	520,550	519,500	545,100	531,350	536,125	543,875	544,975
	524,750	527,000	528,900	523,100	521,300	521,350	534,900	536,750	545,050	547,675
▼	529,500	519,650	539,250	531,800	525,500	529,750	537,750	537,875	533,375	
	533,900	521,100	541,900	535,850	527,750	531,850	542,550	538,750		
	543,350	530,250	549,250	551,600	533,300	539,500	549,350	539,125		
	545,150	534,500	550,050	552,500	540,600	543,400		539,750		
	547,550	546,750	550,450	553,250	555,900	544,500		540,625		
	548,900	551,450	557,950			557,400		541,000		
		552,200								
▼										
Bemerkung	USA TV-Kanal 22 und andere	USA TV-Kanal 23 und andere	USA TV-Kanal 24 und andere	USA TV-Kanal 25 und andere	USA TV-Kanal 26 und andere	USA TV-Kanal 27 und andere	USA TV-Kanal 28 und andere	Belgien Kanäle 27 und 29	kompletter Arbeitsbereich (1)	kompletter Arbeitsbereich (2)
Note	US TV-Ch. 22 + more	US TV-Ch. 23 + more	US TV-Ch. 24 + more	US TV-Ch. 25 + more	US TV-Ch. 26 + more	US TV-Ch. 27 + more	US TV-Ch. 28 + more	Belgium Ch. 27 & 29	Full range (1)	Full range (2)
Remarque	Etats-Unis canal TV 22 et autres	Etats-Unis canal TV 23 et autres	Etats-Unis canal TV 24 et autres	Etats-Unis canal TV 25 et autres	Etats-Unis canal TV 26 et autres	Etats-Unis canal TV 27 et autres	Etats-Unis canal TV 28 et autres	Belgique canaux 27 et 29	Pleine bande (1)	Pleine bande (2)
Nota	EE.UU. Canal TV 22 y otros	EE.UU. Canal TV 23 y otros	EE.UU. Canal TV 24 y otros	EE.UU. Canal TV 25 y otros	EE.UU. Canal TV 26 y otros	EE.UU. Canal TV 27 y otros	EE.UU. Canal TV 28 y otros	Bélgica Canales 27 y 29	Rango de trabajo completo (1)	Rango de trabajo completo (2)

Channel	Bank 11	Bank 12	Bank 13	Bank 14	Bank 15	Bank 16	Bank 17	Bank 18	Bank 19	Bank 20	Bank U* Bank U1–U6**
<div><div><div><div>ew 100</div><div>–</div><div>ew 300</div><div>–</div><div>ew 500</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>10</div><div>11</div><div>12</div><div>13</div><div>14</div><div>15</div><div>16</div><div>17</div><div>18</div><div>19</div><div>20</div><div>21</div><div>22</div><div>23</div><div>24</div><div>25</div><div>26</div><div>27</div><div>28</div><div>29</div><div>30</div><div>31</div><div>32</div></div></div></div>	516,100	516,200	516,000	516,150	516,275	516,375	516,100	516,000	518,100	517,500	
	516,500	516,600	516,400	516,550	516,675	516,775	516,975	516,400	518,475	517,875	
	517,100	517,200	516,900	517,050	517,175	517,275	517,600	517,000	518,975	518,375	
	517,900	518,000	517,500	517,650	517,775	517,875	520,275	517,800	519,600	519,000	
	519,100	519,200	517,950	518,100	518,225	518,325	522,725	519,000	520,350	519,750	
	520,700	520,800	518,500	518,650	518,775	518,875	524,900	520,600	521,350	520,750	
	522,900	523,000	519,150	519,300	519,425	519,525	529,725	522,800	522,975	522,375	
	526,100	526,200	520,500	520,650	520,775	520,875	530,925	526,000	524,975	524,375	
	528,500	528,600	521,200	521,350	521,475	521,575	540,625	528,400	527,100	526,500	
	533,300	533,400	522,650	522,800	522,925	523,025	553,725	533,200	530,100	529,500	
	537,300	537,400	523,400	523,550	523,675	523,775	516,475	537,200	531,350	530,750	
▼	541,700	541,800	525,100	525,250	525,375	525,475	518,525	541,600	534,475	533,875	
	549,100	549,200	526,500	526,650	526,775	526,875	521,075	549,000	537,975	537,375	
	519,575	557,800	529,100	529,250	529,375	529,475	521,625	552,400	542,725	540,125	
	521,400	519,675	530,900	531,050	531,175	531,275	532,450	519,475	548,350	548,125	
	523,950	521,500	532,050	532,200	532,325	532,425	526,475	521,300	553,350	552,000	
	527,725	524,050	533,950	534,100	534,225	534,325	531,500	523,850	521,850	521,875	
	530,250	527,825	538,600	538,750	538,875	538,975	532,350	527,625	522,475	523,750	
	531,275	530,350	543,150	543,300	543,425	543,525	534,075	530,150	523,850	525,500	
	540,050	531,375	543,950	544,100	544,225	544,325	534,825	531,175	524,350	527,000	
	545,075	540,150	547,900	548,050	548,175	548,275	536,300	539,950	527,725	527,375	
	547,775	545,175					543,975	544,975	528,975	528,375	
		547,875					545,150	547,675	529,475	528,750	
▼							533,475	541,975	532,225	531,375	
							543,725	532,725	531,875		
							546,550		538,475	533,375	
									539,100	538,125	
									539,600	538,625	
									540,975	540,500	
									542,225	542,625	
									543,850		
▼											
Bemerkung	kompletter Arbeitsbereich (3)	kompletter Arbeitsbereich (4)	kompletter Arbeitsbereich (5)	kompletter Arbeitsbereich (6)	kompletter Arbeitsbereich (7)	kompletter Arbeitsbereich (8)	kompletter Arbeitsbereich (9)	kompletter Arbeitsbereich (10)	kompletter Arbeitsbereich (11)	kompletter Arbeitsbereich (12)	
Note	Full range (3)	Full range (4)	Full range (5)	Full range (6)	Full range (7)	Full range (8)	Full range (9)	Full range (10)	Full range (11)	Full range (12)	
Remarque	Pleine bande (3)	Pleine bande (4)	Pleine bande (5)	Pleine bande (6)	Pleine bande (7)	Pleine bande (8)	Pleine bande (9)	Pleine bande (10)	Pleine bande (11)	Pleine bande (12)	
Nota	Rango de trabajo completo (3)	Rango de trabajo completo (4)	Rango de trabajo completo (5)	Rango de trabajo completo (6)	Rango de trabajo completo (7)	Rango de trabajo completo (8)	Rango de trabajo completo (9)	Rango de trabajo completo (10)	Rango de trabajo completo (11)	Rango de trabajo completo (12)	

* ew 100 – frei wählbare Frequenzen / freely selectable frequencies / fréquences au choix / frecuencias de libre elección

** ew 300/ew 500 – frei wählbare Frequenzen / freely selectable frequencies / fréquences au choix / frecuencias de libre elección

Frequenz- und Sendeleistungsübersicht
Frequency and transmission power overview
Aperçu des fréquences et puissances d'émission spécifiques
Overzicht van landspecifieke frequenties en zendvermogens



European Nations and her international abbreviations		Frequency range (MHz)	max. RF_power (mW – erp.)	individual licence required
All listed countries (not Norway)		863 – 865	10	no
Austria, Cyprus, Greece	AT CY GR	470 - 862	50	yes
Belgium	BE	470 – 608, 608 - 862	50 (20)	yes
Germany	DE	470 – 606, 614 - 790	50	yes
		790.1 – 813.9, 838.1 – 861.9	50	for professional and indoor use -> no * ¹
Großbritannien	GB (UK)	854.25 - 861.75 (Ch.69 mobile) * ²	50	ja
		470 - 860 * ³		
Italy	IT	470 - 854	10 & 50	yes
Liechtenstein Switzerland	LI CH	470 - 862	50	yes
Norway	NO	800 – 820	20 mW	
		790 – 800 & 820 - 838	–	
Romania	RO	646 - 759	30	yes

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Gesetzliche Vorgaben für den Einsatz von Funkmikrofonen

für EU-Mitgliedstaaten und angeschlossene Staaten im Frequenzbereich von 470 – 865 MHz (ERC-Empfehlung 70-03 – Short Range Devices; SRD)

Bevor Sie Ihr Funkmikrofonsystem oder andere Tonübertragungsanwendungen in Betrieb nehmen, erfragen Sie bei der zuständigen Regulierungsbehörde für Frequenznutzung die genauen Frequenzzuweisungen und beantragen Sie ggf. die erforderliche individuelle Zulassung. Die folgende Tabelle gibt einen Überblick über die unterschiedlichen nationalen Rahmenbedingungen und Einschränkungen. Findet sich kein Eintrag in der Tabelle, erkundigen Sie sich bitte bei der zuständigen Regulierungsbehörde nach den aktuellen Vorschriften.

Sender mit einer HF-Strahlungsleistung von mehr als 50 mW (erp) werden nicht als SRD klassifiziert und erfordern grundsätzlich eine Zulassung. Erkundigen Sie sich in diesem Fall bei der zuständigen Regulierungsbehörde nach den Nutzungsvorschriften für dieses Gerät!

Diese Tabelle unterliegt einer ständigen Aktualisierung.

Hinweise

DE *¹ Diese Frequenzbereiche stehen für professionelle Anwendungen zur Verfügung, vergleichen Sie dazu bitte das Dokument Vfg.91/2005 der Bundesnetzagentur (URL:[http://www.bundesnetzagentur.de/enid/cece42922d3dfad57349fae7d8df4231,0/Frequenzordnung Allgemeinzuteilungen_9u.html](http://www.bundesnetzagentur.de/enid/cece42922d3dfad57349fae7d8df4231,0/Frequenzordnung>Allgemeinzuteilungen_9u.html))

Weitere Informationen zu den Frequenzzuweisungen verschiedener Staaten finden Sie unter:
<http://www.ero.dk> und <http://www.efis.dk/search/general>

Legal requirements for the use of radiomicrophones

of the EU members & adopted nations in the range of 470 – 865 MHz (ERC Recommendation 70-03 – Short Range Devices; SRD)

Before using your radiomicrophone system or other assisitive listening devices you must ask the relevant wireless regulator for the exact frequency allocation and for an individual licence. The table gives an overview of the national framework requirements and restrictions. If there is no entry in the table, please ask the relevant wireless regulatory body relating to the location of intended use about the current legal position.

Transmitters with a radiated RF power greater than 50 mW (erp) are not classed as a SRD and always need a licence.

In this case, ask the local wireless regulatory body relevant to the location of intended use for the rules governing the usage of the equipment!

The table is constantly updated.

Remarks:

DE *¹ These frequency ranges are open for professional user, please see the allocation document Vfg.91/2005 of the Bundesnetzagentur (URL:[http://www.bundesnetzagentur.de/enid/cece42922d3dfad57349fae7d8df4231,0/Frequenzordnung Allgemeinzuteilungen_9u.html](http://www.bundesnetzagentur.de/enid/cece42922d3dfad57349fae7d8df4231,0/Frequenzordnung>Allgemeinzuteilungen_9u.html))

UK *² Up to 14 fixed frequencies, usable all over the UK. Contact JFMG for information and licence – www.jfmg.co.uk

UK *³ Licensed on a site-specific basis according to location. Contact JFMG for information and licence – www.jfmg.co.uk

Further information on frequency allocation of the nations are available at:
<http://www.ero.dk> and <http://www.efis.dk/search/general>

Exigences légales pour l'utilisation des systèmes d'émission radio

des pays membres de l'UE & nations affiliées dans la plage de fréquence de 470 – 865 MHz (recommandation ERC 70-03 - Short Range Devices ; SRD)

Avant d'utiliser votre système d'émission radio ou d'autres systèmes de transmission audio, vous devez contacter les autorités de régulation appropriées pour l'allocation de fréquence exacte et pour une licence individuelle pour ce système d'émission radio. La table donne un aperçu des dispositions et restrictions nationales. S'il n'y a pas d'entrée dans la table, veuillez contacter les autorités de régulation appropriées pour les dispositions légales actuelles.

Les émetteurs avec une puissance d'émission rayonnée de plus de 50 mW (erp) ne sont pas classifiés en tant que appareils de faible portée (short range devices (SRD)) et ont toujours besoin d'une licence.

Dans ce cas, veuillez contacter les autorités de régulation appropriées pour les dispositions légales concernant l'usage de cet équipement!

Cette table est constamment mise à jour.

Remarques :

DE *¹ Ces plages de fréquences peuvent être utilisées pour des applications professionnelles, voir le document Vfg.91/2005 der Bundesnetzagentur (URL:http://www.bundesnetzagentur.de/enid/cece42922d3dfad57349fae7d8df4231,0/Frequenzordnung>Allgemeinzuteilungen_9u.html)

Vous trouverez plus d'informations sur l'allocation des fréquences à l'adresse web : <http://www.ero.dk> und <http://www.efis.dk/search/general>

Disposizioni di legge per l'utilizzo di radiomicrofoni

Attribuzione di frequenze per l'utilizzo di radiomicrofoni da parte degli Stati membri e degli stati associati nel campo di frequenza 470 – 865 MHz (come da raccomandazione ERC 70-03 – Short Range Devices; SRD)

Prima di mettere in funzione il sistema con radiomicrofono o altre applicazioni per la trasmissione audio, consultare l'autorità responsabile dell'utilizzo delle frequenze in merito all'attribuzione delle frequenze esatte e richiedere eventualmente l'omologazione necessaria. La seguente tabella contiene una panoramica delle condizioni quadro e dei limiti dei vari paesi. Se la tabella non contiene alcun dato, chiedere all'autorità di regolamentazione quali sono le norme attuali.

I trasmettitori con una potenza irradiata HF superiore a 50 mW (erp) non sono classificati SRD e richiedono in linea di massima una omologazione. In questo caso informarsi presso l'autorità di regolamentazione su quali sono le norme applicate a questo apparecchio!

Questa tabella viene costantemente aggiornata.

Nota:

DE *¹ Questi campi di frequenza sono a disposizione delle applicazioni professionali, vedere a tale proposito il documento Vfg.91/2005 della autorità tedesca di regolamentazione (URL:http://www.bundesnetzagentur.de/enid/cece42922d3dfad57349fae7d8df4231,0/Frequenzordnung>Allgemeinzuteilungen_9u.html)

Per ulteriori informazioni sull'attribuzione delle frequenze nei vari stati consultare l'indirizzo: <http://www.ero.dk> e <http://www.efis.dk/search/general>

Especificaciones legales para la utilización de micrófonos inalámbricos

Especificaciones legales para el uso de micrófonos inalámbricos en estados miembro de la UE y estados asociados en el rango de frecuencia de 470 – 865 MHz (recomendación ERC 70-03 – Short Range Devices; SRD)

Antes de poner en servicio el sistema de micrófonos inalámbricos u otras aplicaciones de transmisión de sonido, consulte a la autoridad reguladora sobre el uso de frecuencias y las asignaciones exactas de frecuencias y, en caso necesario, solicite la autorización individual que se precise. La tabla siguiente ofrece un resumen de las diferentes condiciones marco y las limitaciones nacionales. Si no encuentra la entrada en la tabla, pregunte a las autoridades reguladoras competentes las normas actuales.

Los transmisores con una potencia de radiación de RF superior a 50 mW (erp) no se clasifican como SRD y, en general, requieren una autorización. En este caso, infórmese a través de las autoridades reguladoras competentes sobre las normas de utilización para este aparato.

Esta tabla se actualiza continuamente.

Notas:

DE *¹ Estas gamas de frecuencias están disponibles para las aplicaciones profesionales; consulte al respecto el documento Vfg.91/2005 de la Agencia federal alemana de redes (URL:http://www.bundesnetzagentur.de/enid/cece42922d3dfad57349fae7d8df4231,0/Frequenzordnung>Allgemeinzuteilungen_9u.html)

Encontrará más información sobre las asignaciones de frecuencias de las diferentes naciones en: <http://www.ero.dk> y <http://www.efis.dk/search/general>

Wettelijke voorschriften voor het gebruik van draadloze microfoons

voor EU-lidstaten en aangesloten landen in het frequentiebereik van 470 – 865 MHz (ERC-advies 70-03 – Short Range Devices; SRD)

Voordat u uw draadloze microfoonsysteem of andere geluidsoververdrachtstoepassingen in gebruik mag nemen, moet bij de verantwoordelijke overheidsinstantie voor het gebruik van frequenties (in Nederland het Agentschap Telecom) de frequentietoewijzing opgevraagd en eventueel de noodzakelijke individuele vergunning aangevraagd worden. De onderstaande tabel bevat een overzicht van de verschillende nationale algemene voorwaarden en beperkingen. Wanneer u in de tabel niet de juiste gegevens kunt vinden, verzoeken wij u vriendelijk om, ten aanzien van de actuele voorschriften, contact op te nemen met de verantwoordelijk overheidsinstantie.

Zenders met een HF-stralingsvermogen van meer dan 50 mW (erp) worden niet als SRD geclassificeerd en hiervoor is in principe een vergunning noodzakelijk.

Vraag in dit geval bij de verantwoordelijke overheidsinstantie om de gebruiksvoorschriften voor dit apparaat!

Deze tabel wordt voortdurend geactualiseerd.

Opmerking:

DE *¹ Deze frequentiebereiken zijn beschikbaar voor professionele toepassingen, zie daarvoor a.u.b. het document Vfg.91/2005 van de „Bundesnetzagentur“ (URL:http://www.bundesnetzagentur.de/enid/cece42922d3dfad57349fae7d8df4231,0/Frequenzordnung>Allgemeinzuteilungen_9u.html)

Meer informatie over de frequentietoewijzingen in de verschillende landen vindt u onder: <http://www.ero.dk> en <http://www.efis.dk/search/general>

Amendments from firmware revision 1.4.4

Additional confirmation for "RF Mute"/"RX Mute"

To prevent the transmitters' RF signal from being accidentally deactivated or activated, an additional confirmation for the setting "RF Mute" has been added. The muting/unmuting of the stationary receivers' audio signal "RX Mute" also requires additional confirmation.



The following is a description of how to proceed using an SKM radio microphone. If you own a different transmitter, use the buttons mentioned in the sections on deactivation/activation of the RF signal in the instruction manual of your transmitter.

Activating/deactivating the RF signal of a transmitter
(using the example of an SKM radiomicrophone)

To deactivate the RF signal:

- ▶ Press the ON/OFF button.
"RF Mute Off?" appears on the display panel.
- ▶ Move the multi-function switch.
"RF Mute On?" appears on the display panel.
- ▶ Press the multi-function switch.
The RF signal is deactivated.



You can also deactivate the RF signal on switch-on. To do so, press the ON/OFF button on switch-on until "RF Mute Off?" appears on the display panel, then proceed as described above.

To activate the RF signal:

- ▶ Press the ON/OFF button.
"RF Mute On?" appears on the display panel.
- ▶ Move the multi-function switch.
"RF Mute Off?" appears on the display panel.
- ▶ Press the multi-function switch.
The RF signal is activated.

Muting/unmuting the audio signal of a stationary receiver

To mute the audio signal:

- ▶ When one of the standard displays is shown, press the STANDBY button (EM 100 only) or the jog dial.
"RX Mute Off?" appears on the display panel.
- ▶ Press the UP/DOWN button (EM 100 only) or turn the jog dial.
"RX Mute On?" appears on the display panel.
- ▶ Press the SET button (EM 100 only) or the jog dial.
The audio signal is muted.

To unmute the audio signal:

- ▶ When one of the standard displays is shown, press the STANDBY button (EM 100 only) or the jog dial.
"RX Mute On?" appears on the display panel
- ▶ Press the UP/DOWN button (EM 100 only) or turn the jog dial.
"RX Mute Off?" appears on the display panel.
- ▶ Press the SET button (EM 100 only) or the jog dial.
The muting is cancelled.

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